

Beyond X™

# L-Series MCB and RCD

Miniature Circuit Breakers and
Residual Current Devices




LS ELECTRIC

## FUTURING

Leading the way with new innovations that exceed our customers expectations.

## SMART

Creating an efficient and convenient future through convergence of Information and Communication Technology(ICT) and integration of sophisticated technologies.

## ENERGY

Creating an abundant future by delivering safe and clean energy.



- LS ELECTRIC is leading the power system and automation sectors of the nation's industry concentrating all our effort and energy on 'product quality' and 'innovative ideas'

- LS ELECTRIC provides a power system and automated solution for efficiency and sustainability.



LS group is a global conglomerate based in South Korea.
Spun off for growth from LG group in 2003.LS is an industry leader in electric power, automation,machinery, material and energy.




## Contents


- Product Appearance 06
- Order System 07
- Product Selection Guide 08
- MCB 10
- Switch-Disconnector 36
- RCBO 38
- RCCB 62
- Accessories 70
- Technical data 79

# Miniature Circuit Breakers and Residual Current Devices

## (L-Series)

The best solution for perfect safety environment, customer satisfaction through best quality and service.

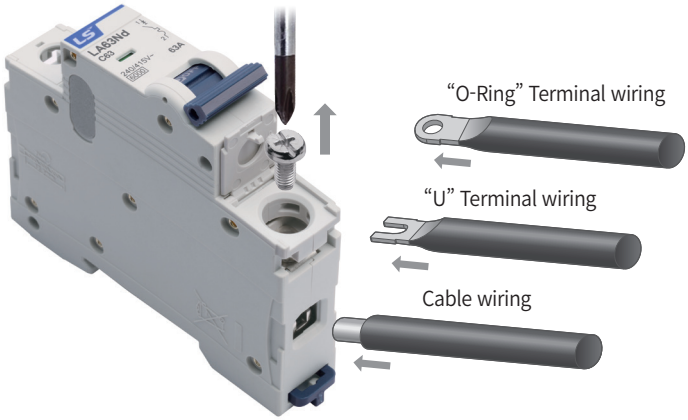
### User-Friendly for installation

Streamline your distribution board installation with unified terminal height and handle position across all MCB products for ultimate convenience



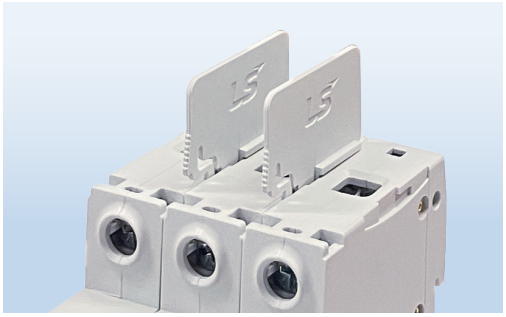
### Multiple wiring methods






By adding a terminal cover structure, the MCB can meet the IP20 Protection degree and be compatible with multiple wiring methods



### Enhanced insulation by insulation barrier

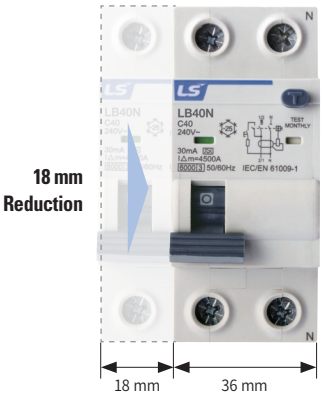
Boost insulation performance with the option to add an insulation barrier

## Streamlined Design and Compact Size

LA100H 100 A MCB is 18 mm wide (based on 1P), 9 mm smaller than the existing product




LB40N/LB40H RCBO is 36 mm wide (based on 1P+N), 18 mm smaller than MCB+RCD combined product










### User-friendly for verification

"Easily verify the circuit breaker's on/off position with the built-in indicator




### High performance, same size breaker

The breaker achieves high performance ratings of 4.5 kA, 6 kA, 10 kA, and 15 kA while maintaining the same compact size."



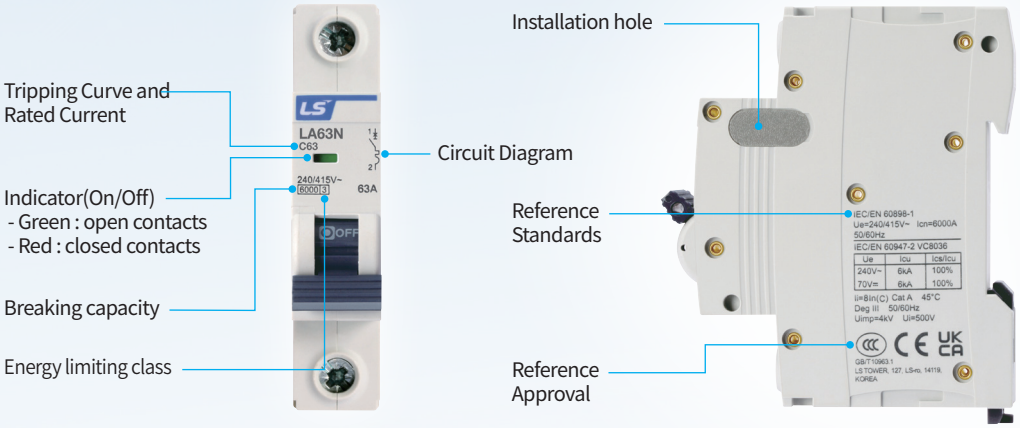

### Extensive Product Range

Choose from a range of earth leakage protection models, customized to suit your specific applications

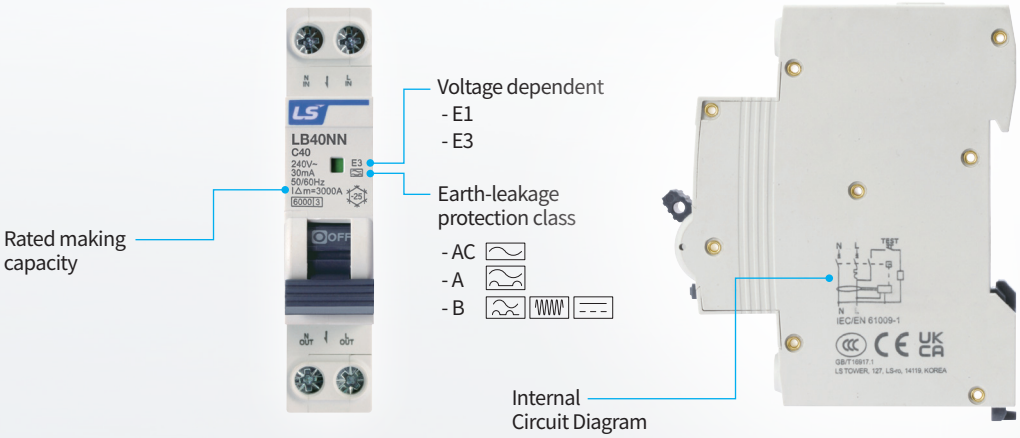
- AC type, A type, B type and time delay (AC/A type)

# Product Appearance

## MCB




## RCBO/RCCB



## MCB/RCBO/RCCB

| LA | 63 | H | - | 1P | B | 63 |
|---|---|---|---|---|---|---|
| Type | AF | Breaking Capacity | Special function | Pole | Trip Curve | Rated Current |
| LS MCB | 32 | E 4.5 kA | Blank Single terminal | 1P | B | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A |
| | 40 | N 6 kA | d Dual terminal | 1P+N | C | |
| | 63 | H 10 kA | DC DC | 2P | D | |
| | 100 | L 15 kA | P Plug-in | 3P | K | |
| | 125 | D Switch disconnectors | | 3P+N | Z | |
| | | | | 4P | | |

| LB | 63 | N | - | 1P+N | B | 63 | 30 mA | AC type |
|---|---|---|---|---|---|---|---|---|
| Type | AF | Breaking Capacity | Special function | Pole | Trip Curve | Rated Current | Earth leakage sensitivity | Earth leakage protection class |
| LS RCBO | 32 | N 6 kA | Blank Single terminal | 1P+N | B | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A | 10 mA | AC type |
| | 40 | H 10 kA | d Dual terminal | 2P | C | | 30 mA | A type |
| | 50 | | B B-type | 3P+N | D | | 50 mA | B type |
| | 63 | | N 18 mm 1P+N | 4P | | | 100 mA | |
| | | | W With wire | | | | 300 mA | |
| | | | 4 Only 4Pole | | | | | |

| LC | 63 | N | - | 1P+N | 63 | 30mA | AC type |
|---|---|---|---|---|---|---|---|
| Type | AF | Breaking Capacity(Inc) | Special function | Pole | Rated Current | Earth leakage sensitivity | Earth leakage protection class |
| LS RCCB | 63 | N 6 kA | Blank Single terminal | 1P+N | 16, 25, 32, 40, 50, 63, 80, 100 A | 30 mA | AC type |
| | 80 | H 10 kA | d Dual terminal | 3P+N | | 100 mA | A type |
| | 100 | | B B-type | | | 300 mA | AC(S) type |
| | | | R N phase on the right side | | | | A(S) type |
| | | | | | | | B type |

| LA/LB/LC | AX |
|---|---|
| Type | Product |
| L-Series | |

| | | | |
|---|---|---|---|
| AX | Auxiliary contact | BB | Busbar |
| AL | Alarm contact | EC | End cap |
| U/OVT | UVT/OVT | BC | Busbar cap |
| SHT | Shunt | HL | Handle lock |
| MOP | Motor Operator | PB | Plug-in base |
| AXX | AX+AX | AXL | AX+AL |
| SHTX | Shunt+AX | E-Handle | Extended Handle |

# Product Selection Guide

## MCB, Switch-Disconnector









| Type | MCB(Miniature circuit breaker) | | | | | | |
|---|---|---|---|---|---|---|---|
| | LA40E | LA40N | LA63E | LA63N | LA63Nd* | LA63H | LA63Hd* |
| Protection | Overload/short circuit | Overload/short circuit | Overload/short circuit | Overload/short circuit | | Overload/short circuit | |
| Standards | IEC/EN 60898-1 | IEC/EN 60898-1 | IEC/EN 60898-1 | IEC/EN 60898-1/ 60947-2 | | IEC/EN 60898-1/ 60947-2 | |
| Rated voltage (Ue) | 240 VAC | 240 VAC | 240/415 VAC | 240/415 VAC, 70/125 VDC | | 240/415 VAC, 70/125 VDC | 240/415/440 VAC, 70/125 VDC |
| Poles | 1P+N | 1P+N | 1P, 1P+N, 2P, 3P, 3P+N, 4P | 1P, 1P+N, 2P, 3P, 3P+N, 4P | | 1P, 1P+N, 2P, 3P, 3P+N, 4P | |
| Rated current (In) | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40 A | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40 A | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | |
| Breaking capacity | 4.5 kA | 6 kA | 4.5 kA | 6 kA | | 10 kA | |
| Isolation function | Yes | Yes | Yes | Yes | | Yes | |
| Tripping curve | B, C, D | B, C, D | B, C, D | B, C, D | | B, C, D | |
| Electrical durability | 4000 | 4000 | 10000 | 10000 | | 10000 | |
| Mechanical durability | 10000 | 10000 | 20000 | 20000 | | 20000 | |
| Terminal capacity | Cable up to 16 $mm^2$ | Cable up to 16 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | Lug and Screw Dual type (Cable up to 25 $mm^2$) | Cable up to 25 $mm^2$ | Lug and Screw Dual type (Cable up to 25 $mm^2$) |
| Accessory | - | - | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT | | AX, AL, SHT, U/OVT | |
| Catalogue page | 10P, 79P, 82P | 10P, 79P, 82P | 12P, 79P, 82P | 12P, 79P, 82P | 12P, 79P, 82P | 12P, 79P, 82P | 12P, 79P, 82P |

* Expected to be launched in 2027

## RCBO, RCCB







| Type | RCBO(Residual Current Breaker with Overcurrent protection) | | | | |
|---|---|---|---|---|---|
| | LB40NN | LB40N | LB40H | LB40NB | LB63N |
| Protection | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit |
| Standards | IEC/EN 61009-1 | IEC/EN 61009-1 | IEC/EN 61009-1 | IEC/EN 61009-1, 62423 | IEC/EN 61009-1 |
| Operation type | AC, A | AC, A | AC, A | B | AC, A |
| Rated voltage (Ue) | 240 VAC | 240/415 VAC | 240/415 VAC | 240/415 VAC | 240 VAC |
| Poles | 1P+N | 1P+N, 3P+N | 1P+N, 3P+N | 1P+N, 3P+N | 1P+N |
| Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40 A | 6, 10, 13, 16, 20 25, 32, 40 A | 6, 10, 13, 16, 20 25, 32, 40 A | 6, 10, 13, 16, 20 25, 32, 40 A | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| Breaking capacity | 6 kA | 6 kA | 10 kA | 6 kA | 6 kA |
| Isolation function | Yes | Yes | Yes | Yes | Yes |
| Tripping curve | B, C | B, C, D | B, C, D | B, C, D | B, C, D |
| Sensitivity, mA | 10, 30, 100, 300 | 30, 100, 300 | 30, 100, 300 | 30, 100, 300 | 30, 50, 100, 300 |
| Terminal capacity | Cable up to 16 $mm^2$ | Cable up to 16 $mm^2$ | Cable up to 16 $mm^2$ | Cable up to 16 $mm^2$ | Cable up to 25 $mm^2$ |
| Accessory | - | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT |
| Catalogue page | 38P, 81P, 83P | 40P, 81P, 83 | 40P, 81P, 83 | 45P, 81P, 83 | 47P, 81P, 83 |

* LC63N's neutral is on the left of RCCB and LC63NR's neutral is on the right of RCCB * LC100H's neutral is on the left of RCCB and LC100HR's neutral is on the right of RCCB
** AC (S), A (S) is Earth-leakage protection time delayed product
*** Ensure that a clear minimum distance of 45 mm (grid distance “a”) is maintained between the arc vent and surrounding parts








| | MCB(Miniature circuit breaker) | | | | | Switch-Disconnector |
|---|---|---|---|---|---|---|
| | **LA63L** | **LA100H** | **LA125H** | **LA63HP** | **LA63HDC** | **LA125D** |
| | Overload/short circuit | Overload/short circuit | Overload/short circuit | Overload/short circuit | Overload/short circuit | - |
| | IEC/EN 60898-1/ 60947-2 | IEC/EN 60947-2 | IEC/EN 60947-2 | IEC/EN 60947-2 | IEC/EN 60947-2 | IEC/EN 60947-3 |
| | 240/415 VAC, 70/125 VDC | 240/415 VAC | 240/415 VAC | 240/415 VAC | 250/500/750/ 1000 VDC | 240/415 VAC |
| | 1P, 1P+N, 2P, 3P, 3P+N, 4P | 1P, 2P, 3P, 4P | 1P, 2P, 3P, 4P | 1P, 2P, 3P, 4P | 1P, 2P, 3P, 4P | 1P, 2P, 3P, 4P |
| | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | 63, 80, 100 A | 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | 40, 50, 63, 80, 100, 125 A |
| | AC 1 – 4 A: 70 kA<br>AC 6 – 32 A: 25k A<br>AC 40 – 63 A: 15 kA<br>DC 1 – 63 A: 15 kA | 10 kA | 10 – 63 A: 20 kA<br>80 – 125 A: 10 kA | 10 kA | 10 kA | - |
| | Yes | Yes | Yes | Yes | Yes | Yes |
| | B, C, D, K, Z | C (8In), D (12In) | C (8In), D (12In) | B (4In), C (8In) | C, D, K | - |
| | 10000 | 1500 | 1500 | 4000 | 1500 | 1500 (125 A 1000) |
| | 20000 | 10000 | 10000 | 10000 | 20000 | 10000 |
| | Cable up to 25 $mm^2$ | Cable up to 50 $mm^2$ | Cable up to 50 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 50 $mm^2$ |
| | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT | - | AX, AL, SHT | AX |
| | 13P, 79P, 82P | 26P, 80P, 83P | 28P, 80P, 83P | 30P, 80P, 83P | 32P | 36P |









| | RCBO(Residual Current Breaker with Overcurrent protection) | | | | RCCB(Residual Current Circuit Breaker) | | |
|---|---|---|---|---|---|---|---|
| | **LB63H** | **LB63H4** | **LB50HW** | **LB63HW** | **LC63N/LC63NR*** | **LC100H/LC100HR*** | **LC80HB** |
| | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit | Leakage current/ Overload/Short circuit | Leakage current | Leakage current | Leakage current |
| | IEC/EN 61009-1 | IEC/EN 61009-1 | IEC/EN 61009-1 | IEC/EN 61009-1 | IEC/EN 61008-1 | IEC/EN 61008-1 | IEC/EN 61008-1, 62423 |
| | AC, A | AC, A | AC, A | AC, A | AC, A | AC, A, AC(S)**, A(S)** | B |
| | 240 VAC | 415 VAC | 230/240 VAC | 400/415 VAC | 240/415 VAC | 240/415 VAC | 240/415 VAC |
| | 2P | 4P | 1P+N | 3P+N | 1P+N, 3P+N | 1P+N, 3P+N | 1P+N, 3P+N |
| | 6, 10, 13, 16, 20, 25 32, 40, 50, 63 A | 6, 10, 13, 16, 20, 25 32, 40, 50, 63 A | 6, 10, 13, 16, 20 25, 32, 40, 50 A | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | 16, 25, 32, 40, 50, 63 A | 16, 25, 32, 40, 50, 63, 80, 100 A | 16, 25, 32, 40, 50, 63, 80 A |
| | 10 kA | 10 kA | 10 kA | 10 kA | - | - | - |
| | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| | B, C, D | B, C, D | B, C, D | B, C, D | - | - | - |
| | 30, 50, 100, 300 | 30, 50, 100, 300 | 10, 30, 100, 300 | 10, 30, 100, 300 | 30, 100, 300 | 30, 100, 300 | 30, 100, 300 |
| | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | Cable up to 50 $mm^2$ | Cable up to 50 $mm^2$ |
| | - | - | - | - | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT | AX, AL, SHT, U/OVT |
| | 50P, 81P, 83P | 53P, 81P, 83P | 56P, 81P, 83P | 59P, 81P, 83P | 62P | 65P | 68P |

# LA40E/LA40N

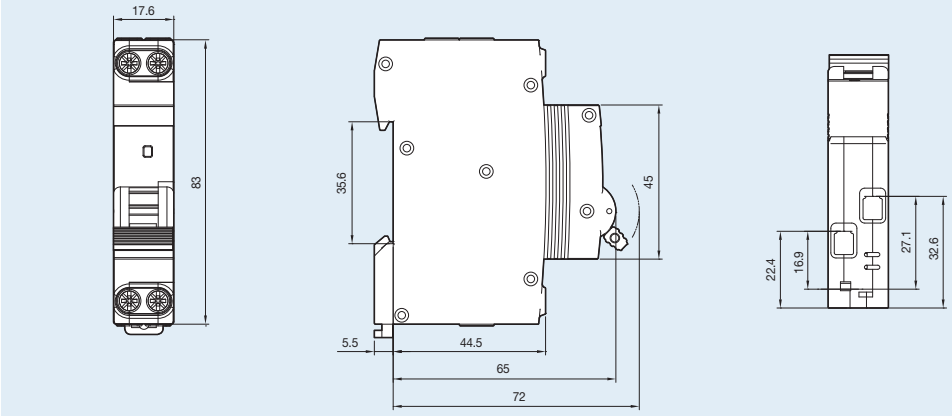
## 1P+N MCB

## Specifications




| Type | | LA40E | LA40N |
|---|---|---|---|
| Electrial Feature | Standards | IEC/EN 60898-1 | IEC/EN 60898-1 |
| | Approvals | CE, CB, UKCA, CCC | CE, CB, UKCA, CCC |
| | Poles | 1P+N | 1P+N |
| | Rated current (In) | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40 A | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40 A |
| | Rated voltage (Ue) IEC60898-1 | 240 VAC | 240 VAC |
| | Insulation voltage (Ui) | 500 V | 500 V |
| | Frequency | 50/60 Hz | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV | 4 kV |
| | Rated short-circuit breaking capacity (Icn) IEC60898-1 | 4.5 kA | 6 kA |
| | Rated service breaking capacity (Ics) IEC60898-1 | 4.5 kA | 6 kA |
| | Tripping curve | B, C, D | B, C, D |
| | Polution degree | Deg III | Deg III |
| Mechanical Feature | Electrical durability | 4000 | 4000 |
| | Mechanical durability | 10000 | 10000 |
| | Protection degree | IP20 | IP20 |
| | Operating temperature | -30···70 °C | -30···70 °C |
| | Storage temperature | -40···80 °C | -40···80 °C |
| Installation | Type of terminal | Lug ternimal | Lug ternimal |
| | Terminal capacity | Cable up to 16 $mm^2$ | Cable up to 16 $mm^2$ |
| | Tightening torque | 1.2 N.m | 1.2 N.m |
| | Mounting | 35 mm Din Rail | 35 mm Din Rail |
| Accessories | AX | - | - |
| | AL | - | - |
| | SHT | - | - |
| | UVT/OVT | - | - |

## Dimension



## Order number

### LA40E (1 – 40 A)

**1P+N MCB (4.5 kA) LA40E 1P+N □□**



LA40E 1P+N C40

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P+N | 240 VAC | 4.5 kA | 1A | 90680001C0 | 90680013C0 | 90680025C0 | 2 | 125 | 12 |
| | | | 2 A | 90680002C0 | 90680014C0 | 90680026C0 | | | |
| | | | 3 A | 90680003C0 | 90680015C0 | 90680027C0 | | | |
| | | | 4 A | 90680004C0 | 90680016C0 | 90680028C0 | | | |
| | | | 6 A | 90680005C0 | 90680017C0 | 90680029C0 | | | |
| | | | 10 A | 90680006C0 | 90680018C0 | 90680030C0 | | | |
| | | | 13 A | 90680007C0 | 90680019C0 | 90680031C0 | | | |
| | | | 16 A | 90680008C0 | 90680020C0 | 90680032C0 | | | |
| | | | 20 A | 90680009C0 | 90680021C0 | 90680033C0 | | | |
| | | | 25 A | 90680010C0 | 90680022C0 | 90680034C0 | | | |
| | | | 32 A | 90680011C0 | 90680023C0 | 90680035C0 | | | |
| | | | 40 A | 90680012C0 | 90680024C0 | 90680036C0 | | | |

* 1 Width module = 9 mm

### LA40N (1 – 40 A)

**1P+N MCB (6 kA) LA40N 1P+N □□**



LA40N 1P+N C40

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P+N | 240 VAC | 6 kA | 1 A | 90690001C0 | 90690013C0 | 90690025C0 | 2 | 125 | 12 |
| | | | 2 A | 90690002C0 | 90690014C0 | 90690026C0 | | | |
| | | | 3 A | 90690003C0 | 90690015C0 | 90690027C0 | | | |
| | | | 4 A | 90690004C0 | 90690016C0 | 90690028C0 | | | |
| | | | 6 A | 90690005C0 | 90690017C0 | 90690029C0 | | | |
| | | | 10 A | 90690006C0 | 90690018C0 | 90690030C0 | | | |
| | | | 13 A | 90690007C0 | 90690019C0 | 90690031C0 | | | |
| | | | 16 A | 90690008C0 | 90690020C0 | 90690032C0 | | | |
| | | | 20 A | 90690009C0 | 90690021C0 | 90690033C0 | | | |
| | | | 25 A | 90690010C0 | 90690022C0 | 90690034C0 | | | |
| | | | 32 A | 90690011C0 | 90690023C0 | 90690035C0 | | | |
| | | | 40 A | 90690012C0 | 90690024C0 | 90690036C0 | | | |

* 1 Width module = 9 mm

# LA63E/LA63N/LA63Nd*/LA63H/LA63Hd*/LA63L

## 4.5 kA, 6 kA, 10 kA, 15 kA MCB

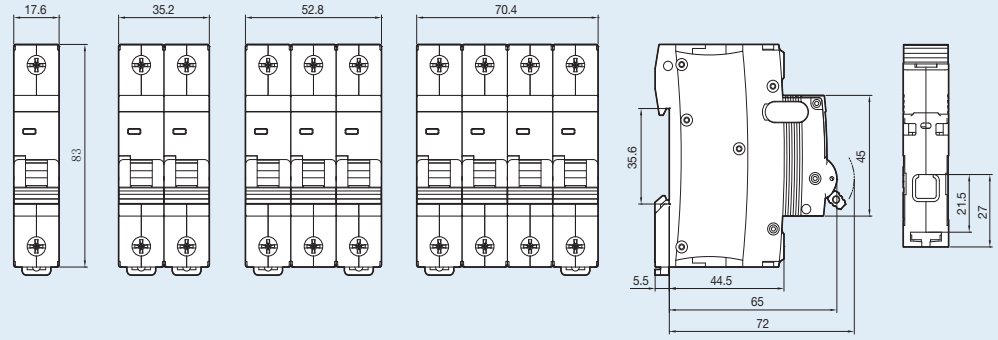
## Specifications




| Type | | LA63E | LA63N | LA63Nd |
|---|---|---|---|---|
| Electrical Feature | Standards | IEC/EN 60898-1 | IEC/EN 60898-1/60947-2 | |
| | Approvals | CE, CB, UKCA, CCC | CE, CB, UKCA, CCC | |
| | Poles | 1P, 1P+N, 2P, 3P, 3P+N, 4P | 1P, 1P+N, 2P, 3P, 3P+N, 4P | |
| | Rated current (In) | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | |
| | Rated voltage (Ue) IEC60898-1 | 1P: 240/415 VAC<br>1P+N: 230/240 VAC<br>2 – 4P: 400/415 V | 1P: 240/415 VAC<br>1P+N: 230/240 VAC<br>2 – 4P: 400/415 V | |
| | Rated voltage (Ue) IEC60947-2 | - | 1P and 1P+N: 230/240 VAC<br>2 – 4P: 400/415 VAC<br>1P: 70 VDC<br>2 – 4P: 125 VDC | |
| | Insulation voltage (Ui) | 500 V | 500 V | |
| | Frequency | 50/60 Hz | 50/60Hz | |
| | Energy limiting class | 3 (Only for B/C curve) | 3 (Only for B/C curve) | |
| | Rated impulse withstand voltage (Uimp) | 6 kV | 6 kV | |
| | Rated short-circuit breaking capacity (Icn) IEC60898-1 | 4.5 kA | 6 kA | |
| | Rated Ultimate short-circuit breaking capacity (Icu) IEC60947-2 | - | AC: 6 kA<br>DC: 6 kA | |
| | Rated service breaking capacity (Ics) IEC60898-1 | 4.5 kA | 6 kA | |
| | Rated service breaking capacity (Ics) IEC60947-2 | - | AC: 6 kA<br>DC: 6 kA | |
| | Tripping curve | B, C, D | B, C, D | |
| | Polution degree | Deg Ⅲ | Deg Ⅲ | |
| Mechanical Feature | Electrical durability | 10000 | 10000 | |
| | Mechanical durability | 20000 | 20000 | |
| | Protection degree | IP20 | IP20 | |
| | Operating temperature | -30⋯70 °C | -30⋯70 °C | |
| | Storage temperature | -40⋯80 °C | -40⋯80 °C | |
| Installation | Type of terminal | Lug ternimal | Lug ternimal | Dual terminal (Lug and Screw) |
| | Terminal capacity | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ | |
| | Tightening torque | 2 N.m | 2 N.m | |
| | Mounting | 35 mm Din Rail | 35 mm Din Rail | |
| Accessories | AX | LA-AX | LA-AX | |
| | AL | LA-AL | LA-AL | |
| | SHT | LA-SHT | LA-SHT | |
| | UVT/OVT | LA-U/OVT | LA-U/OVT | |

* Expected to be launched in 2027

## Dimension



| Type | | LA63H | LA63Hd | LA63L |
|---|---|---|---|---|
| Electrical Feature | Standards | IEC/EN 60898-1/60947-2 | | IEC/EN 60898-1/60947-2 |
| | Approvals | CE, CB, UKCA, CCC | | CE, CB, UKCA, CCC |
| | Poles | 1P, 1P+N, 2P, 3P, 3P+N, 4P | | 1P, 1P+N, 2P, 3P, 3P+N, 4P |
| | Rated current (In) | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A | | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) IEC60898-1 | 1P: 240/415 VAC<br>1P+N: 230/240 VAC<br>2 – 4P: 400/415 V | | 1P: 240/415 VAC<br>1P+N: 240 VAC<br>2 – 4P: 415 V |
| | Rated voltage (Ue) IEC60947-2 | 1P and 1P+N: 230/240 VAC<br>2 – 4P: 400/415 VAC<br>1P: 70 VDC<br>2 – 4P: 125 VDC | 1P and 1P+N: 230/240 VAC<br>2 – 4P: 400/415/440 VAC<br>1P: 70 VDC<br>2 – 4P: 125 VDC | 1P and 1P+N: 230/240 VAC<br>2 – 4P: 400/415 VAC<br>1P: 70 VDC<br>2 – 4P: 125 VDC |
| | Insulation voltage (Ui) | 500 V | | 500 V |
| | Frequency | 50/60 Hz | | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) | | - |
| | Rated impulse withstand voltage (Uimp) | 6 kV | | 6 kV |
| | Rated short-circuit breaking capacity (Icn) IEC60898-1 | 10 kA | | 15 kA |
| | Rated Ultimate short-circuit breaking capacity (Icu) IEC60947-2 | AC: 10 kA<br>DC: 10 kA | | AC 1 – 4 A: 70 kA<br>AC 6 – 32 A: 25 kA<br>AC 40 – 63 A: 15 kA<br>DC 1 – 63 A: 15 kA |
| | Rated service breaking capacity (Ics) IEC60898-1 | 7.5 kA | | 7.5 kA |
| | Rated service breaking capacity (Ics) IEC60947-2 | AC: 7.5 kA<br>DC: 7.5 kA | | AC 1 – 4 A: 70 kA<br>AC 6 – 32 A: 12.5 kA<br>AC 40 – 63 A: 7.5 kA<br>DC 1 – 63 A: 7.5 kA |
| | Tripping curve | B, C, D | | B, C, D, K, Z |
| | Polution degree | Deg Ⅲ | | Deg Ⅲ |
| Mechanical Feature | Electrical durability | 10000 | | 10000 |
| | Mechanical durability | 20000 | | 20000 |
| | Protection degree | IP20 | | IP20 |
| | Operating temperature | -30⋯70 °C | | -30⋯70 °C |
| | Storage temperature | -40⋯80 °C | | -40⋯80 °C |
| Installation | Type of terminal | Lug ternimal | Dual terminal (Lug and Screw) | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ | | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m | | 2 N.m |
| | Mounting | 35 mm Din Rail | | 35 mm Din Rail |
| Accessories | AX | LA-AX | | LA-AX |
| | AL | LA-AL | | LA-AL |
| | SHT | LA-SHT | | LA-SHT |
| | UVT/OVT | LA-U/OVT | | LA-U/OVT |

## Order number

### LA63E (1 – 63 A)

MCB (4.5 kA) LA63E □P/P+N □□



LA63E 1P C63



LA63E 1P+N C63



LA63E 2P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240/415 VAC | 4.5 kA | 1 A | 90700001C0 | 90700015C0 | 90700029C0 | 2 | 110 | 12 |
| | | | 2 A | 90700002C0 | 90700016C0 | 90700030C0 | | | |
| | | | 3 A | 90700003C0 | 90700017C0 | 90700031C0 | | | |
| | | | 4 A | 90700004C0 | 90700018C0 | 90700032C0 | | | |
| | | | 6 A | 90700005C0 | 90700019C0 | 90700033C0 | | | |
| | | | 10 A | 90700006C0 | 90700020C0 | 90700034C0 | | | |
| | | | 13 A | 90700007C0 | 90700021C0 | 90700035C0 | | | |
| | | | 16 A | 90700008C0 | 90700022C0 | 90700036C0 | | | |
| | | | 20 A | 90700009C0 | 90700023C0 | 90700037C0 | | | |
| | | | 25 A | 90700010C0 | 90700024C0 | 90700038C0 | | | |
| | | | 32 A | 90700011C0 | 90700025C0 | 90700039C0 | | | |
| | | | 40 A | 90700012C0 | 90700026C0 | 90700040C0 | | | |
| | | | 50 A | 90700013C0 | 90700027C0 | 90700041C0 | | | |
| | | | 63 A | 90700014C0 | 90700028C0 | 90700042C0 | | | |
| 1P+N | 240 VAC | 4.5 kA | 1 A | 90700043C0 | 90700057C0 | 90700071C0 | 4 | 220 | 6 |
| | | | 2 A | 90700044C0 | 90700058C0 | 90700072C0 | | | |
| | | | 3 A | 90700045C0 | 90700059C0 | 90700073C0 | | | |
| | | | 4 A | 90700046C0 | 90700060C0 | 90700074C0 | | | |
| | | | 6 A | 90700047C0 | 90700061C0 | 90700075C0 | | | |
| | | | 10 A | 90700048C0 | 90700062C0 | 90700076C0 | | | |
| | | | 13 A | 90700049C0 | 90700063C0 | 90700077C0 | | | |
| | | | 16 A | 90700050C0 | 90700064C0 | 90700078C0 | | | |
| | | | 20 A | 90700051C0 | 90700065C0 | 90700079C0 | | | |
| | | | 25 A | 90700052C0 | 90700066C0 | 90700080C0 | | | |
| | | | 32 A | 90700053C0 | 90700067C0 | 90700081C0 | | | |
| | | | 40 A | 90700054C0 | 90700068C0 | 90700082C0 | | | |
| | | | 50 A | 90700055C0 | 90700069C0 | 90700083C0 | | | |
| | | | 63 A | 90700056C0 | 90700070C0 | 90700084C0 | | | |
| 2P | 415 VAC | 4.5 kA | 1 A | 90700085C0 | 90700099C0 | 90700113C0 | 4 | 220 | 6 |
| | | | 2 A | 90700086C0 | 90700100C0 | 90700114C0 | | | |
| | | | 3 A | 90700087C0 | 90700101C0 | 90700115C0 | | | |
| | | | 4 A | 90700088C0 | 90700102C0 | 90700116C0 | | | |
| | | | 6 A | 90700089C0 | 90700103C0 | 90700117C0 | | | |
| | | | 10 A | 90700090C0 | 90700104C0 | 90700118C0 | | | |
| | | | 13 A | 90700091C0 | 90700105C0 | 90700119C0 | | | |
| | | | 16 A | 90700092C0 | 90700106C0 | 90700120C0 | | | |
| | | | 20 A | 90700093C0 | 90700107C0 | 90700121C0 | | | |
| | | | 25 A | 90700094C0 | 90700108C0 | 90700122C0 | | | |
| | | | 32 A | 90700095C0 | 90700109C0 | 90700123C0 | | | |
| | | | 40 A | 90700096C0 | 90700110C0 | 90700124C0 | | | |
| | | | 50 A | 90700097C0 | 90700111C0 | 90700125C0 | | | |
| | | | 63 A | 90700098C0 | 90700112C0 | 90700126C0 | | | |

* 1 Width module = 9 mm

## Order number

# LA63E (1 – 63 A)

MCB (4.5 kA) LA63E □P/P+N □□



LA63E 3P C63



LA63E 3P+N C63



LA63E 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 3P | 415 VAC | 4.5 kA | 1 A | 90700127C0 | 90700141C0 | 90700155C0 | 6 | 330 | 4 |
| | | | 2 A | 90700128C0 | 90700142C0 | 90700156C0 | | | |
| | | | 3 A | 90700129C0 | 90700143C0 | 90700157C0 | | | |
| | | | 4 A | 90700130C0 | 90700144C0 | 90700158C0 | | | |
| | | | 6 A | 90700131C0 | 90700145C0 | 90700159C0 | | | |
| | | | 10 A | 90700132C0 | 90700146C0 | 90700160C0 | | | |
| | | | 13 A | 90700133C0 | 90700147C0 | 90700161C0 | | | |
| | | | 16 A | 90700134C0 | 90700148C0 | 90700162C0 | | | |
| | | | 20 A | 90700135C0 | 90700149C0 | 90700163C0 | | | |
| | | | 25 A | 90700136C0 | 90700150C0 | 90700164C0 | | | |
| | | | 32 A | 90700137C0 | 90700151C0 | 90700165C0 | | | |
| | | | 40 A | 90700138C0 | 90700152C0 | 90700166C0 | | | |
| | | | 50 A | 90700139C0 | 90700153C0 | 90700167C0 | | | |
| | | | 63 A | 90700140C0 | 90700154C0 | 90700168C0 | | | |
| 3P+N | 415 VAC | 4.5k A | 1 A | 90700169C0 | 90700183C0 | 90700197C0 | 8 | 440 | 3 |
| | | | 2 A | 90700170C0 | 90700184C0 | 90700198C0 | | | |
| | | | 3 A | 90700171C0 | 90700185C0 | 90700199C0 | | | |
| | | | 4 A | 90700172C0 | 90700186C0 | 90700200C0 | | | |
| | | | 6 A | 90700173C0 | 90700187C0 | 90700201C0 | | | |
| | | | 10 A | 90700174C0 | 90700188C0 | 90700202C0 | | | |
| | | | 13 A | 90700175C0 | 90700189C0 | 90700203C0 | | | |
| | | | 16 A | 90700176C0 | 90700190C0 | 90700204C0 | | | |
| | | | 20 A | 90700177C0 | 90700191C0 | 90700205C0 | | | |
| | | | 25 A | 90700178C0 | 90700192C0 | 90700206C0 | | | |
| | | | 32 A | 90700179C0 | 90700193C0 | 90700207C0 | | | |
| | | | 40 A | 90700180C0 | 90700194C0 | 90700208C0 | | | |
| | | | 50 A | 90700181C0 | 90700195C0 | 90700209C0 | | | |
| | | | 63 A | 90700182C0 | 90700196C0 | 90700210C0 | | | |
| 4P | 415 VAC | 4.5 kA | 1 A | 90700211C0 | 90700225C0 | 90700239C0 | 8 | 440 | 3 |
| | | | 2 A | 90700212C0 | 90700226C0 | 90700240C0 | | | |
| | | | 3 A | 90700213C0 | 90700227C0 | 90700241C0 | | | |
| | | | 4 A | 90700214C0 | 90700228C0 | 90700242C0 | | | |
| | | | 6 A | 90700215C0 | 90700229C0 | 90700243C0 | | | |
| | | | 10 A | 90700216C0 | 90700230C0 | 90700244C0 | | | |
| | | | 13 A | 90700217C0 | 90700231C0 | 90700245C0 | | | |
| | | | 16 A | 90700218C0 | 90700232C0 | 90700246C0 | | | |
| | | | 20 A | 90700219C0 | 90700233C0 | 90700247C0 | | | |
| | | | 25 A | 90700220C0 | 90700234C0 | 90700248C0 | | | |
| | | | 32 A | 90700221C0 | 90700235C0 | 90700249C0 | | | |
| | | | 40 A | 90700222C0 | 90700236C0 | 90700250C0 | | | |
| | | | 50 A | 90700223C0 | 90700237C0 | 90700251C0 | | | |
| | | | 63 A | 90700224C0 | 90700238C0 | 90700252C0 | | | |

* 1 Width module = 9 mm

## Order number

### LA63N (1 – 63 A)

MCB (6 kA) LA63N □P/P+N □□



LA63N 1P C63



LA63N 1P+N C63



LA63N 2P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240/415 VAC | 6 kA | 1 A | 90710001C0 | 90710015C0 | 90710029C0 | 2 | 110 | 12 |
| | | | 2 A | 90710002C0 | 90710016C0 | 90710030C0 | | | |
| | | | 3 A | 90710003C0 | 90710017C0 | 90710031C0 | | | |
| | | | 4 A | 90710004C0 | 90710018C0 | 90710032C0 | | | |
| | | | 6 A | 90710005C0 | 90710019C0 | 90710033C0 | | | |
| | | | 10 A | 90710006C0 | 90710020C0 | 90710034C0 | | | |
| | | | 13 A | 90710007C0 | 90710021C0 | 90710035C0 | | | |
| | | | 16 A | 90710008C0 | 90710022C0 | 90710036C0 | | | |
| | | | 20 A | 90710009C0 | 90710023C0 | 90710037C0 | | | |
| | | | 25 A | 90710010C0 | 90710024C0 | 90710038C0 | | | |
| | | | 32 A | 90710011C0 | 90710025C0 | 90710039C0 | | | |
| | | | 40 A | 90710012C0 | 90710026C0 | 90710040C0 | | | |
| | | | 50 A | 90710013C0 | 90710027C0 | 90710041C0 | | | |
| | | | 63 A | 90710014C0 | 90710028C0 | 90710042C0 | | | |
| 1P+N | 240 VAC | 6 kA | 1 A | 90710043C0 | 90710057C0 | 90710071C0 | 4 | 220 | 6 |
| | | | 2 A | 90710044C0 | 90710058C0 | 90710072C0 | | | |
| | | | 3 A | 90710045C0 | 90710059C0 | 90710073C0 | | | |
| | | | 4 A | 90710046C0 | 90710060C0 | 90710074C0 | | | |
| | | | 6 A | 90710047C0 | 90710061C0 | 90710075C0 | | | |
| | | | 10 A | 90710048C0 | 90710062C0 | 90710076C0 | | | |
| | | | 13 A | 90710049C0 | 90710063C0 | 90710077C0 | | | |
| | | | 16 A | 90710050C0 | 90710064C0 | 90710078C0 | | | |
| | | | 20 A | 90710051C0 | 90710065C0 | 90710079C0 | | | |
| | | | 25 A | 90710052C0 | 90710066C0 | 90710080C0 | | | |
| | | | 32 A | 90710053C0 | 90710067C0 | 90710081C0 | | | |
| | | | 40 A | 90710054C0 | 90710068C0 | 90710082C0 | | | |
| | | | 50 A | 90710055C0 | 90710069C0 | 90710083C0 | | | |
| | | | 63 A | 90710056C0 | 90710070C0 | 90710084C0 | | | |
| 2P | 415 VAC | 6 kA | 1 A | 90710085C0 | 90710099C0 | 90710113C0 | 4 | 220 | 6 |
| | | | 2 A | 90710086C0 | 90710100C0 | 90710114C0 | | | |
| | | | 3 A | 90710087C0 | 90710101C0 | 90710115C0 | | | |
| | | | 4 A | 90710088C0 | 90710102C0 | 90710116C0 | | | |
| | | | 6 A | 90710089C0 | 90710103C0 | 90710117C0 | | | |
| | | | 10 A | 90710090C0 | 90710104C0 | 90710118C0 | | | |
| | | | 13 A | 90710091C0 | 90710105C0 | 90710119C0 | | | |
| | | | 16 A | 90710092C0 | 90710106C0 | 90710120C0 | | | |
| | | | 20 A | 90710093C0 | 90710107C0 | 90710121C0 | | | |
| | | | 25 A | 90710094C0 | 90710108C0 | 90710122C0 | | | |
| | | | 32 A | 90710095C0 | 90710109C0 | 90710123C0 | | | |
| | | | 40 A | 90710096C0 | 90710110C0 | 90710124C0 | | | |
| | | | 50 A | 90710097C0 | 90710111C0 | 90710125C0 | | | |
| | | | 63 A | 90710098C0 | 90710112C0 | 90710126C0 | | | |

* 1 Width module = 9 mm

## Order number

# LA63N (1 – 63 A)

### MCB (6 kA) LA63N □P/P+N □□



LA63N 3P C50



LA63N 3P+N C32



LA63N 4P C32

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 3P | 415 VAC | 6 kA | 1 A | 90710127C0 | 90710141C0 | 90710155C0 | 6 | 330 | 4 |
| | | | 2 A | 90710128C0 | 90710142C0 | 90710156C0 | | | |
| | | | 3 A | 90710129C0 | 90710143C0 | 90710157C0 | | | |
| | | | 4 A | 90710130C0 | 90710144C0 | 90710158C0 | | | |
| | | | 6 A | 90710131C0 | 90710145C0 | 90710159C0 | | | |
| | | | 10 A | 90710132C0 | 90710146C0 | 90710160C0 | | | |
| | | | 13 A | 90710133C0 | 90710147C0 | 90710161C0 | | | |
| | | | 16 A | 90710134C0 | 90710148C0 | 90710162C0 | | | |
| | | | 20 A | 90710135C0 | 90710149C0 | 90710163C0 | | | |
| | | | 25 A | 90710136C0 | 90710150C0 | 90710164C0 | | | |
| | | | 32 A | 90710137C0 | 90710151C0 | 90710165C0 | | | |
| | | | 40 A | 90710138C0 | 90710152C0 | 90710166C0 | | | |
| | | | 50 A | 90710139C0 | 90710153C0 | 90710167C0 | | | |
| | | | 63 A | 90710140C0 | 90710154C0 | 90710168C0 | | | |
| 3P+N | 415 VAC | 6 kA | 1 A | 90710169C0 | 90710183C0 | 90710197C0 | 8 | 440 | 3 |
| | | | 2 A | 90710170C0 | 90710184C0 | 90710198C0 | | | |
| | | | 3 A | 90710171C0 | 90710185C0 | 90710199C0 | | | |
| | | | 4 A | 90710172C0 | 90710186C0 | 90710200C0 | | | |
| | | | 6 A | 90710173C0 | 90710187C0 | 90710201C0 | | | |
| | | | 10 A | 90710174C0 | 90710188C0 | 90710202C0 | | | |
| | | | 13 A | 90710175C0 | 90710189C0 | 90710203C0 | | | |
| | | | 16 A | 90710176C0 | 90710190C0 | 90710204C0 | | | |
| | | | 20 A | 90710177C0 | 90710191C0 | 90710205C0 | | | |
| | | | 25 A | 90710178C0 | 90710192C0 | 90710206C0 | | | |
| | | | 32 A | 90710179C0 | 90710193C0 | 90710207C0 | | | |
| | | | 40 A | 90710180C0 | 90710194C0 | 90710208C0 | | | |
| | | | 50 A | 90710181C0 | 90710195C0 | 90710209C0 | | | |
| | | | 63 A | 90710182C0 | 90710196C0 | 90710210C0 | | | |
| 4P | 415 VAC | 6 kA | 1 A | 90710211C0 | 90710225C0 | 90710239C0 | 8 | 440 | 3 |
| | | | 2 A | 90710212C0 | 90710226C0 | 90710240C0 | | | |
| | | | 3 A | 90710213C0 | 90710227C0 | 90710241C0 | | | |
| | | | 4 A | 90710214C0 | 90710228C0 | 90710242C0 | | | |
| | | | 6 A | 90710215C0 | 90710229C0 | 90710243C0 | | | |
| | | | 10 A | 90710216C0 | 90710230C0 | 90710244C0 | | | |
| | | | 13 A | 90710217C0 | 90710231C0 | 90710245C0 | | | |
| | | | 16 A | 90710218C0 | 90710232C0 | 90710246C0 | | | |
| | | | 20 A | 90710219C0 | 90710233C0 | 90710247C0 | | | |
| | | | 25 A | 90710220C0 | 90710234C0 | 90710248C0 | | | |
| | | | 32 A | 90710221C0 | 90710235C0 | 90710249C0 | | | |
| | | | 40 A | 90710222C0 | 90710236C0 | 90710250C0 | | | |
| | | | 50 A | 90710223C0 | 90710237C0 | 90710251C0 | | | |
| | | | 63 A | 90710224C0 | 90710238C0 | 90710252C0 | | | |

* 1 Width module = 9 mm

## Order number

### LA63Nd (1 – 63 A)

MCB (6 kA) LA63Nd □P/P+N □□



LA63Nd 1P C63



LA63Nd 1P+N C63



LA63Nd 2P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240/415 VAC | 6 kA | 1 A | 90720001C0 | 90720015C0 | 90720029C0 | 2 | 115 | 12 |
| | | | 2 A | 90720002C0 | 90720016C0 | 90720030C0 | | | |
| | | | 3 A | 90720003C0 | 90720017C0 | 90720031C0 | | | |
| | | | 4 A | 90720004C0 | 90720018C0 | 90720032C0 | | | |
| | | | 6 A | 90720005C0 | 90720019C0 | 90720033C0 | | | |
| | | | 10 A | 90720006C0 | 90720020C0 | 90720034C0 | | | |
| | | | 13 A | 90720007C0 | 90720021C0 | 90720035C0 | | | |
| | | | 16 A | 90720008C0 | 90720022C0 | 90720036C0 | | | |
| | | | 20 A | 90720009C0 | 90720023C0 | 90720037C0 | | | |
| | | | 25 A | 90720010C0 | 90720024C0 | 90720038C0 | | | |
| | | | 32 A | 90720011C0 | 90720025C0 | 90720039C0 | | | |
| | | | 40 A | 90720012C0 | 90720026C0 | 90720040C0 | | | |
| | | | 50 A | 90720013C0 | 90720027C0 | 90720041C0 | | | |
| | | | 63 A | 90720014C0 | 90720028C0 | 90720042C0 | | | |
| 1P+N | 240 VAC | 6 kA | 1 A | 90720043C0 | 90720057C0 | 90720071C0 | 4 | 230 | 6 |
| | | | 2 A | 90720044C0 | 90720058C0 | 90720072C0 | | | |
| | | | 3 A | 90720045C0 | 90720059C0 | 90720073C0 | | | |
| | | | 4 A | 90720046C0 | 90720060C0 | 90720074C0 | | | |
| | | | 6 A | 90720047C0 | 90720061C0 | 90720075C0 | | | |
| | | | 10 A | 90720048C0 | 90720062C0 | 90720076C0 | | | |
| | | | 13 A | 90720049C0 | 90720063C0 | 90720077C0 | | | |
| | | | 16 A | 90720050C0 | 90720064C0 | 90720078C0 | | | |
| | | | 20 A | 90720051C0 | 90720065C0 | 90720079C0 | | | |
| | | | 25 A | 90720052C0 | 90720066C0 | 90720080C0 | | | |
| | | | 32 A | 90720053C0 | 90720067C0 | 90720081C0 | | | |
| | | | 40 A | 90720054C0 | 90720068C0 | 90720082C0 | | | |
| | | | 50 A | 90720055C0 | 90720069C0 | 90720083C0 | | | |
| | | | 63 A | 90720056C0 | 90720070C0 | 90720084C0 | | | |
| 2P | 415 VAC | 6 kA | 1 A | 90720085C0 | 90720099C0 | 90720113C0 | 4 | 230 | 6 |
| | | | 2 A | 90720086C0 | 90720100C0 | 90720114C0 | | | |
| | | | 3 A | 90720087C0 | 90720101C0 | 90720115C0 | | | |
| | | | 4 A | 90720088C0 | 90720102C0 | 90720116C0 | | | |
| | | | 6 A | 90720089C0 | 90720103C0 | 90720117C0 | | | |
| | | | 10 A | 90720090C0 | 90720104C0 | 90720118C0 | | | |
| | | | 13 A | 90720091C0 | 90720105C0 | 90720119C0 | | | |
| | | | 16 A | 90720092C0 | 90720106C0 | 90720120C0 | | | |
| | | | 20 A | 90720093C0 | 90720107C0 | 90720121C0 | | | |
| | | | 25 A | 90720094C0 | 90720108C0 | 90720122C0 | | | |
| | | | 32 A | 90720095C0 | 90720109C0 | 90720123C0 | | | |
| | | | 40 A | 90720096C0 | 90720110C0 | 90720124C0 | | | |
| | | | 50 A | 90720097C0 | 90720111C0 | 90720125C0 | | | |
| | | | 63 A | 90720098C0 | 90720112C0 | 90720126C0 | | | |

* 1 Width module = 9 mm

## Order number

# LA63Nd (1 – 63 A)

### MCB (6 kA) LA63Nd □P/P+N □□



LA63Nd 3P C63



LA63Nd 3P+N C63



LA63Nd 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 3P | 415 VAC | 6 kA | 1 A | 90720127C0 | 90720141C0 | 90720155C0 | 6 | 345 | 4 |
| | | | 2 A | 90720128C0 | 90720142C0 | 90720156C0 | | | |
| | | | 3 A | 90720129C0 | 90720143C0 | 90720157C0 | | | |
| | | | 4 A | 90720130C0 | 90720144C0 | 90720158C0 | | | |
| | | | 6 A | 90720131C0 | 90720145C0 | 90720159C0 | | | |
| | | | 10 A | 90720132C0 | 90720146C0 | 90720160C0 | | | |
| | | | 13 A | 90720133C0 | 90720147C0 | 90720161C0 | | | |
| | | | 16 A | 90720134C0 | 90720148C0 | 90720162C0 | | | |
| | | | 20 A | 90720135C0 | 90720149C0 | 90720163C0 | | | |
| | | | 25 A | 90720136C0 | 90720150C0 | 90720164C0 | | | |
| | | | 32 A | 90720137C0 | 90720151C0 | 90720165C0 | | | |
| | | | 40 A | 90720138C0 | 90720152C0 | 90720166C0 | | | |
| | | | 50 A | 90720139C0 | 90720153C0 | 90720167C0 | | | |
| | | | 63 A | 90720140C0 | 90720154C0 | 90720168C0 | | | |
| 3P+N | 415 VAC | 6 kA | 1 A | 90720169C0 | 90720183C0 | 90720197C0 | 8 | 460 | 3 |
| | | | 2 A | 90720170C0 | 90720184C0 | 90720198C0 | | | |
| | | | 3 A | 90720171C0 | 90720185C0 | 90720199C0 | | | |
| | | | 4 A | 90720172C0 | 90720186C0 | 90720200C0 | | | |
| | | | 6 A | 90720173C0 | 90720187C0 | 90720201C0 | | | |
| | | | 10 A | 90720174C0 | 90720188C0 | 90720202C0 | | | |
| | | | 13 A | 90720175C0 | 90720189C0 | 90720203C0 | | | |
| | | | 16 A | 90720176C0 | 90720190C0 | 90720204C0 | | | |
| | | | 20 A | 90720177C0 | 90720191C0 | 90720205C0 | | | |
| | | | 25 A | 90720178C0 | 90720192C0 | 90720206C0 | | | |
| | | | 32 A | 90720179C0 | 90720193C0 | 90720207C0 | | | |
| | | | 40 A | 90720180C0 | 90720194C0 | 90720208C0 | | | |
| | | | 50 A | 90720181C0 | 90720195C0 | 90720209C0 | | | |
| | | | 63 A | 90720182C0 | 90720196C0 | 90720210C0 | | | |
| 4P | 415 VAC | 6 kA | 1 A | 90720211C0 | 90720225C0 | 90720239C0 | 8 | 460 | 3 |
| | | | 2 A | 90720212C0 | 90720226C0 | 90720240C0 | | | |
| | | | 3 A | 90720213C0 | 90720227C0 | 90720241C0 | | | |
| | | | 4 A | 90720214C0 | 90720228C0 | 90720242C0 | | | |
| | | | 6 A | 90720215C0 | 90720229C0 | 90720243C0 | | | |
| | | | 10 A | 90720216C0 | 90720230C0 | 90720244C0 | | | |
| | | | 13 A | 90720217C0 | 90720231C0 | 90720245C0 | | | |
| | | | 16 A | 90720218C0 | 90720232C0 | 90720246C0 | | | |
| | | | 20 A | 90720219C0 | 90720233C0 | 90720247C0 | | | |
| | | | 25 A | 90720220C0 | 90720234C0 | 90720248C0 | | | |
| | | | 32 A | 90720221C0 | 90720235C0 | 90720249C0 | | | |
| | | | 40 A | 90720222C0 | 90720236C0 | 90720250C0 | | | |
| | | | 50 A | 90720223C0 | 90720237C0 | 90720251C0 | | | |
| | | | 63 A | 90720224C0 | 90720238C0 | 90720252C0 | | | |

* 1 Width module = 9 mm

## Order number

### LA63H (1 – 63 A)

MCB (10 kA) LA63H □P/P+N □□



LA63H 1P C63



LA63H 1P+N C63



LA63H 2P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240/415 VAC | 10 kA | 1 A | 90730001C0 | 90730015C0 | 90730029C0 | 2 | 128 | 12 |
| | | | 2 A | 90730002C0 | 90730016C0 | 90730030C0 | | | |
| | | | 3 A | 90730003C0 | 90730017C0 | 90730031C0 | | | |
| | | | 4 A | 90730004C0 | 90730018C0 | 90730032C0 | | | |
| | | | 6 A | 90730005C0 | 90730019C0 | 90730033C0 | | | |
| | | | 10 A | 90730006C0 | 90730020C0 | 90730034C0 | | | |
| | | | 13 A | 90730007C0 | 90730021C0 | 90730035C0 | | | |
| | | | 16 A | 90730008C0 | 90730022C0 | 90730036C0 | | | |
| | | | 20 A | 90730009C0 | 90730023C0 | 90730037C0 | | | |
| | | | 25 A | 90730010C0 | 90730024C0 | 90730038C0 | | | |
| | | | 32 A | 90730011C0 | 90730025C0 | 90730039C0 | | | |
| | | | 40 A | 90730012C0 | 90730026C0 | 90730040C0 | | | |
| | | | 50 A | 90730013C0 | 90730027C0 | 90730041C0 | | | |
| | | | 63 A | 90730014C0 | 90730028C0 | 90730042C0 | | | |
| 1P+N | 240 VAC | 10 kA | 1 A | 90730043C0 | 90730057C0 | 90730071C0 | 4 | 256 | 6 |
| | | | 2 A | 90730044C0 | 90730058C0 | 90730072C0 | | | |
| | | | 3 A | 90730045C0 | 90730059C0 | 90730073C0 | | | |
| | | | 4 A | 90730046C0 | 90730060C0 | 90730074C0 | | | |
| | | | 6 A | 90730047C0 | 90730061C0 | 90730075C0 | | | |
| | | | 10 A | 90730048C0 | 90730062C0 | 90730076C0 | | | |
| | | | 13 A | 90730049C0 | 90730063C0 | 90730077C0 | | | |
| | | | 16 A | 90730050C0 | 90730064C0 | 90730078C0 | | | |
| | | | 20 A | 90730051C0 | 90730065C0 | 90730079C0 | | | |
| | | | 25 A | 90730052C0 | 90730066C0 | 90730080C0 | | | |
| | | | 32 A | 90730053C0 | 90730067C0 | 90730081C0 | | | |
| | | | 40 A | 90730054C0 | 90730068C0 | 90730082C0 | | | |
| | | | 50 A | 90730055C0 | 90730069C0 | 90730083C0 | | | |
| | | | 63 A | 90730056C0 | 90730070C0 | 90730084C0 | | | |
| 2P | 415 VAC | 10 kA | 1 A | 90730085C0 | 90730099C0 | 90730113C0 | 4 | 256 | 6 |
| | | | 2 A | 90730086C0 | 90730100C0 | 90730114C0 | | | |
| | | | 3 A | 90730087C0 | 90730101C0 | 90730115C0 | | | |
| | | | 4 A | 90730088C0 | 90730102C0 | 90730116C0 | | | |
| | | | 6 A | 90730089C0 | 90730103C0 | 90730117C0 | | | |
| | | | 10 A | 90730090C0 | 90730104C0 | 90730118C0 | | | |
| | | | 13 A | 90730091C0 | 90730105C0 | 90730119C0 | | | |
| | | | 16 A | 90730092C0 | 90730106C0 | 90730120C0 | | | |
| | | | 20 A | 90730093C0 | 90730107C0 | 90730121C0 | | | |
| | | | 25 A | 90730094C0 | 90730108C0 | 90730122C0 | | | |
| | | | 32 A | 90730095C0 | 90730109C0 | 90730123C0 | | | |
| | | | 40 A | 90730096C0 | 90730110C0 | 90730124C0 | | | |
| | | | 50 A | 90730097C0 | 90730111C0 | 90730125C0 | | | |
| | | | 63 A | 90730098C0 | 90730112C0 | 90730126C0 | | | |

* 1 Width module = 9 mm

## Order number

# LA63H (1 – 63 A)

### MCB (10 kA) LA63H □P/P+N □□



LA63H 3P C63



LA63H 3P+N C63



LA63H 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 3P | 415 VAC | 10 kA | 1 A | 90730127C0 | 90730141C0 | 90730155C0 | 6 | 384 | 4 |
| | | | 2 A | 90730128C0 | 90730142C0 | 90730156C0 | | | |
| | | | 3 A | 90730129C0 | 90730143C0 | 90730157C0 | | | |
| | | | 4 A | 90730130C0 | 90730144C0 | 90730158C0 | | | |
| | | | 6 A | 90730131C0 | 90730145C0 | 90730159C0 | | | |
| | | | 10 A | 90730132C0 | 90730146C0 | 90730160C0 | | | |
| | | | 13 A | 90730133C0 | 90730147C0 | 90730161C0 | | | |
| | | | 16 A | 90730134C0 | 90730148C0 | 90730162C0 | | | |
| | | | 20 A | 90730135C0 | 90730149C0 | 90730163C0 | | | |
| | | | 25 A | 90730136C0 | 90730150C0 | 90730164C0 | | | |
| | | | 32 A | 90730137C0 | 90730151C0 | 90730165C0 | | | |
| | | | 40 A | 90730138C0 | 90730152C0 | 90730166C0 | | | |
| | | | 50 A | 90730139C0 | 90730153C0 | 90730167C0 | | | |
| | | | 63 A | 90730140C0 | 90730154C0 | 90730168C0 | | | |
| 3P+N | 415 VAC | 10 kA | 1 A | 90730169C0 | 90730183C0 | 90730197C0 | 8 | 512 | 3 |
| | | | 2 A | 90730170C0 | 90730184C0 | 90730198C0 | | | |
| | | | 3 A | 90730171C0 | 90730185C0 | 90730199C0 | | | |
| | | | 4 A | 90730172C0 | 90730186C0 | 90730200C0 | | | |
| | | | 6 A | 90730173C0 | 90730187C0 | 90730201C0 | | | |
| | | | 10 A | 90730174C0 | 90730188C0 | 90730202C0 | | | |
| | | | 13 A | 90730175C0 | 90730189C0 | 90730203C0 | | | |
| | | | 16 A | 90730176C0 | 90730190C0 | 90730204C0 | | | |
| | | | 20 A | 90730177C0 | 90730191C0 | 90730205C0 | | | |
| | | | 25 A | 90730178C0 | 90730192C0 | 90730206C0 | | | |
| | | | 32 A | 90730179C0 | 90730193C0 | 90730207C0 | | | |
| | | | 40 A | 90730180C0 | 90730194C0 | 90730208C0 | | | |
| | | | 50 A | 90730181C0 | 90730195C0 | 90730209C0 | | | |
| | | | 63 A | 90730182C0 | 90730196C0 | 90730210C0 | | | |
| 4P | 415 VAC | 10 kA | 1 A | 90730211C0 | 90730225C0 | 90730239C0 | 8 | 512 | 3 |
| | | | 2 A | 90730212C0 | 90730226C0 | 90730240C0 | | | |
| | | | 3 A | 90730213C0 | 90730227C0 | 90730241C0 | | | |
| | | | 4 A | 90730214C0 | 90730228C0 | 90730242C0 | | | |
| | | | 6 A | 90730215C0 | 90730229C0 | 90730243C0 | | | |
| | | | 10 A | 90730216C0 | 90730230C0 | 90730244C0 | | | |
| | | | 13 A | 90730217C0 | 90730231C0 | 90730245C0 | | | |
| | | | 16 A | 90730218C0 | 90730232C0 | 90730246C0 | | | |
| | | | 20 A | 90730219C0 | 90730233C0 | 90730247C0 | | | |
| | | | 25 A | 90730220C0 | 90730234C0 | 90730248C0 | | | |
| | | | 32 A | 90730221C0 | 90730235C0 | 90730249C0 | | | |
| | | | 40 A | 90730222C0 | 90730236C0 | 90730250C0 | | | |
| | | | 50 A | 90730223C0 | 90730237C0 | 90730251C0 | | | |
| | | | 63 A | 90730224C0 | 90730238C0 | 90730252C0 | | | |

* 1 Width module = 9 mm

## Order number

### LA63Hd (1 – 63 A)

MCB (10 kA) LA63Hd □P/P+N □□



LA63Hd 1P C63



LA63Hd 1P+N C63



LA63Hd 2P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240/415 VAC | 10 kA | 1 A | 90740001C0 | 90740015C0 | 90740029C0 | 2 | 130 | 12 |
| | | | 2 A | 90740002C0 | 90740016C0 | 90740030C0 | | | |
| | | | 3 A | 90740003C0 | 90740017C0 | 90740031C0 | | | |
| | | | 4 A | 90740004C0 | 90740018C0 | 90740032C0 | | | |
| | | | 6 A | 90740005C0 | 90740019C0 | 90740033C0 | | | |
| | | | 10 A | 90740006C0 | 90740020C0 | 90740034C0 | | | |
| | | | 13 A | 90740007C0 | 90740021C0 | 90740035C0 | | | |
| | | | 16 A | 90740008C0 | 90740022C0 | 90740036C0 | | | |
| | | | 20 A | 90740009C0 | 90740023C0 | 90740037C0 | | | |
| | | | 25 A | 90740010C0 | 90740024C0 | 90740038C0 | | | |
| | | | 32 A | 90740011C0 | 90740025C0 | 90740039C0 | | | |
| | | | 40 A | 90740012C0 | 90740026C0 | 90740040C0 | | | |
| | | | 50 A | 90740013C0 | 90740027C0 | 90740041C0 | | | |
| | | | 63 A | 90740014C0 | 90740028C0 | 90740042C0 | | | |
| 1P+N | 240 VAC | 10 kA | 1 A | 90740043C0 | 90740057C0 | 90740071C0 | 4 | 260 | 6 |
| | | | 2 A | 90740044C0 | 90740058C0 | 90740072C0 | | | |
| | | | 3 A | 90740045C0 | 90740059C0 | 90740073C0 | | | |
| | | | 4 A | 90740046C0 | 90740060C0 | 90740074C0 | | | |
| | | | 6 A | 90740047C0 | 90740061C0 | 90740075C0 | | | |
| | | | 10 A | 90740048C0 | 90740062C0 | 90740076C0 | | | |
| | | | 13 A | 90740049C0 | 90740063C0 | 90740077C0 | | | |
| | | | 16 A | 90740050C0 | 90740064C0 | 90740078C0 | | | |
| | | | 20 A | 90740051C0 | 90740065C0 | 90740079C0 | | | |
| | | | 25 A | 90740052C0 | 90740066C0 | 90740080C0 | | | |
| | | | 32 A | 90740053C0 | 90740067C0 | 90740081C0 | | | |
| | | | 40 A | 90740054C0 | 90740068C0 | 90740082C0 | | | |
| | | | 50 A | 90740055C0 | 90740069C0 | 90740083C0 | | | |
| | | | 63 A | 90740056C0 | 90740070C0 | 90740084C0 | | | |
| 2P | 415 VAC | 10 kA | 1 A | 90740085C0 | 90740099C0 | 90740113C0 | 4 | 260 | 6 |
| | | | 2 A | 90740086C0 | 90740100C0 | 90740114C0 | | | |
| | | | 3 A | 90740087C0 | 90740101C0 | 90740115C0 | | | |
| | | | 4 A | 90740088C0 | 90740102C0 | 90740116C0 | | | |
| | | | 6 A | 90740089C0 | 90740103C0 | 90740117C0 | | | |
| | | | 10 A | 90740090C0 | 90740104C0 | 90740118C0 | | | |
| | | | 13 A | 90740091C0 | 90740105C0 | 90740119C0 | | | |
| | | | 16 A | 90740092C0 | 90740106C0 | 90740120C0 | | | |
| | | | 20 A | 90740093C0 | 90740107C0 | 90740121C0 | | | |
| | | | 25 A | 90740094C0 | 90740108C0 | 90740122C0 | | | |
| | | | 32 A | 90740095C0 | 90740109C0 | 90740123C0 | | | |
| | | | 40 A | 90740096C0 | 90740110C0 | 90740124C0 | | | |
| | | | 50 A | 90740097C0 | 90740111C0 | 90740125C0 | | | |
| | | | 63 A | 90740098C0 | 90740112C0 | 90740126C0 | | | |

* 1 Width module = 9 mm

## Order number

# LA63Hd (1 – 63 A)

### MCB (10 kA) LA63Hd □P/P+N □□



LA63Hd 3P C63



LA63Hd 3P+N C63



LA63Hd 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 3P | 415 VAC | 10 kA | 1 A | 90740127C0 | 90740141C0 | 90740155C0 | 6 | 390 | 4 |
| | | | 2 A | 90740128C0 | 90740142C0 | 90740156C0 | | | |
| | | | 3 A | 90740129C0 | 90740143C0 | 90740157C0 | | | |
| | | | 4 A | 90740130C0 | 90740144C0 | 90740158C0 | | | |
| | | | 6 A | 90740131C0 | 90740145C0 | 90740159C0 | | | |
| | | | 10 A | 90740132C0 | 90740146C0 | 90740160C0 | | | |
| | | | 13 A | 90740133C0 | 90740147C0 | 90740161C0 | | | |
| | | | 16 A | 90740134C0 | 90740148C0 | 90740162C0 | | | |
| | | | 20 A | 90740135C0 | 90740149C0 | 90740163C0 | | | |
| | | | 25 A | 90740136C0 | 90740150C0 | 90740164C0 | | | |
| | | | 32 A | 90740137C0 | 90740151C0 | 90740165C0 | | | |
| | | | 40 A | 90740138C0 | 90740152C0 | 90740166C0 | | | |
| | | | 50 A | 90740139C0 | 90740153C0 | 90740167C0 | | | |
| | | | 63 A | 90740140C0 | 90740154C0 | 90740168C0 | | | |
| 3P+N | 415 VAC | 10 kA | 1 A | 90740169C0 | 90740183C0 | 90740197C0 | 8 | 520 | 3 |
| | | | 2 A | 90740170C0 | 90740184C0 | 90740198C0 | | | |
| | | | 3 A | 90740171C0 | 90740185C0 | 90740199C0 | | | |
| | | | 4 A | 90740172C0 | 90740186C0 | 90740200C0 | | | |
| | | | 6 A | 90740173C0 | 90740187C0 | 90740201C0 | | | |
| | | | 10 A | 90740174C0 | 90740188C0 | 90740202C0 | | | |
| | | | 13 A | 90740175C0 | 90740189C0 | 90740203C0 | | | |
| | | | 16 A | 90740176C0 | 90740190C0 | 90740204C0 | | | |
| | | | 20 A | 90740177C0 | 90740191C0 | 90740205C0 | | | |
| | | | 25 A | 90740178C0 | 90740192C0 | 90740206C0 | | | |
| | | | 32 A | 90740179C0 | 90740193C0 | 90740207C0 | | | |
| | | | 40 A | 90740180C0 | 90740194C0 | 90740208C0 | | | |
| | | | 50 A | 90740181C0 | 90740195C0 | 90740209C0 | | | |
| | | | 63 A | 90740182C0 | 90740196C0 | 90740210C0 | | | |
| 4P | 415 VAC | 10 kA | 1 A | 90740211C0 | 90740225C0 | 90740239C0 | 8 | 520 | 3 |
| | | | 2 A | 90740212C0 | 90740226C0 | 90740240C0 | | | |
| | | | 3 A | 90740213C0 | 90740227C0 | 90740241C0 | | | |
| | | | 4 A | 90740214C0 | 90740228C0 | 90740242C0 | | | |
| | | | 6 A | 90740215C0 | 90740229C0 | 90740243C0 | | | |
| | | | 10 A | 90740216C0 | 90740230C0 | 90740244C0 | | | |
| | | | 13 A | 90740217C0 | 90740231C0 | 90740245C0 | | | |
| | | | 16 A | 90740218C0 | 90740232C0 | 90740246C0 | | | |
| | | | 20 A | 90740219C0 | 90740233C0 | 90740247C0 | | | |
| | | | 25 A | 90740220C0 | 90740234C0 | 90740248C0 | | | |
| | | | 32 A | 90740221C0 | 90740235C0 | 90740249C0 | | | |
| | | | 40 A | 90740222C0 | 90740236C0 | 90740250C0 | | | |
| | | | 50 A | 90740223C0 | 90740237C0 | 90740251C0 | | | |
| | | | 63 A | 90740224C0 | 90740238C0 | 90740252C0 | | | |

* 1 Width module = 9 mm

## Order number

### LA63L (1 – 63 A)

MCB (15 kA) LA63L □P/P+N □□



LA63L 1P C63



LA63L 1P+N C63



LA63L 2P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | K curve | Z curve | | | |
| 1P | 240/ 415 VAC | 15 kA | 1 A | 90750001C0 | 90750015C0 | 90750029C0 | 90750505C0 | 90750253C0 | 2 | 128 | 12 |
| | | | 2 A | 90750002C0 | 90750016C0 | 90750030C0 | 90750506C0 | 90750254C0 | | | |
| | | | 3 A | 90750003C0 | 90750017C0 | 90750031C0 | 90750507C0 | 90750255C0 | | | |
| | | | 4 A | 90750004C0 | 90750018C0 | 90750032C0 | 90750508C0 | 90750256C0 | | | |
| | | | 6 A | 90750005C0 | 90750019C0 | 90750033C0 | 90750509C0 | 90750257C0 | | | |
| | | | 10 A | 90750006C0 | 90750020C0 | 90750034C0 | 90750510C0 | 90750258C0 | | | |
| | | | 13 A | 90750007C0 | 90750021C0 | 90750035C0 | 90750511C0 | 90750259C0 | | | |
| | | | 16 A | 90750008C0 | 90750022C0 | 90750036C0 | 90750512C0 | 90750260C0 | | | |
| | | | 20 A | 90750009C0 | 90750023C0 | 90750037C0 | 90750513C0 | 90750261C0 | | | |
| | | | 25 A | 90750010C0 | 90750024C0 | 90750038C0 | 90750514C0 | 90750262C0 | | | |
| | | | 32 A | 90750011C0 | 90750025C0 | 90750039C0 | 90750515C0 | 90750263C0 | | | |
| | | | 40 A | 90750012C0 | 90750026C0 | 90750040C0 | 90750516C0 | 90750264C0 | | | |
| | | | 50 A | 90750013C0 | 90750027C0 | 90750041C0 | 90750517C0 | 90750265C0 | | | |
| | | | 63 A | 90750014C0 | 90750028C0 | 90750042C0 | 90750518C0 | 90750266C0 | | | |
| 1P+N | 240 VAC | 15 kA | 1 A | 90750043C0 | 90750057C0 | 90750071C0 | 90750519C0 | 90750267C0 | 4 | 256 | 6 |
| | | | 2 A | 90750044C0 | 90750058C0 | 90750072C0 | 90750520C0 | 90750268C0 | | | |
| | | | 3 A | 90750045C0 | 90750059C0 | 90750073C0 | 90750521C0 | 90750269C0 | | | |
| | | | 4 A | 90750046C0 | 90750060C0 | 90750074C0 | 90750522C0 | 90750270C0 | | | |
| | | | 6 A | 90750047C0 | 90750061C0 | 90750075C0 | 90750523C0 | 90750271C0 | | | |
| | | | 10 A | 90750048C0 | 90750062C0 | 90750076C0 | 90750524C0 | 90750272C0 | | | |
| | | | 13 A | 90750049C0 | 90750063C0 | 90750077C0 | 90750525C0 | 90750273C0 | | | |
| | | | 16 A | 90750050C0 | 90750064C0 | 90750078C0 | 90750526C0 | 90750274C0 | | | |
| | | | 20 A | 90750051C0 | 90750065C0 | 90750079C0 | 90750527C0 | 90750275C0 | | | |
| | | | 25 A | 90750052C0 | 90750066C0 | 90750080C0 | 90750528C0 | 90750276C0 | | | |
| | | | 32 A | 90750053C0 | 90750067C0 | 90750081C0 | 90750529C0 | 90750277C0 | | | |
| | | | 40 A | 90750054C0 | 90750068C0 | 90750082C0 | 90750530C0 | 90750278C0 | | | |
| | | | 50 A | 90750055C0 | 90750069C0 | 90750083C0 | 90750531C0 | 90750279C0 | | | |
| | | | 63 A | 90750056C0 | 90750070C0 | 90750084C0 | 90750532C0 | 90750280C0 | | | |
| 2P | 415 VAC | 15 kA | 1 A | 90750085C0 | 90750099C0 | 90750113C0 | 90750533C0 | 90750281C0 | 4 | 256 | 6 |
| | | | 2 A | 90750086C0 | 90750100C0 | 90750114C0 | 90750534C0 | 90750282C0 | | | |
| | | | 3 A | 90750087C0 | 90750101C0 | 90750115C0 | 90750535C0 | 90750283C0 | | | |
| | | | 4 A | 90750088C0 | 90750102C0 | 90750116C0 | 90750536C0 | 90750284C0 | | | |
| | | | 6 A | 90750089C0 | 90750103C0 | 90750117C0 | 90750537C0 | 90750285C0 | | | |
| | | | 10 A | 90750090C0 | 90750104C0 | 90750118C0 | 90750538C0 | 90750286C0 | | | |
| | | | 13 A | 90750091C0 | 90750105C0 | 90750119C0 | 90750539C0 | 90750287C0 | | | |
| | | | 16 A | 90750092C0 | 90750106C0 | 90750120C0 | 90750540C0 | 90750288C0 | | | |
| | | | 20 A | 90750093C0 | 90750107C0 | 90750121C0 | 90750541C0 | 90750289C0 | | | |
| | | | 25 A | 90750094C0 | 90750108C0 | 90750122C0 | 90750542C0 | 90750290C0 | | | |
| | | | 32 A | 90750095C0 | 90750109C0 | 90750123C0 | 90750543C0 | 90750291C0 | | | |
| | | | 40 A | 90750096C0 | 90750110C0 | 90750124C0 | 90750544C0 | 90750292C0 | | | |
| | | | 50 A | 90750097C0 | 90750111C0 | 90750125C0 | 90750545C0 | 90750293C0 | | | |
| | | | 63 A | 90750098C0 | 90750112C0 | 90750126C0 | 90750546C0 | 90750294C0 | | | |

* 1 Width module = 9 mm

## Order number

# LA63L (1 – 63 A)

### MCB (15 kA) LA63L □P/P+N □□



LA63L 3P C63



LA63L 3P+N C63



LA63L 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | K curve | Z curve | | | |
| 3P | 415 VAC | 15 kA | 1 A | 90750127C0 | 90750141C0 | 90750155C0 | 90750547C0 | 90750295C0 | 6 | 384 | 4 |
| | | | 2 A | 90750128C0 | 90750142C0 | 90750156C0 | 90750548C0 | 90750296C0 | | | |
| | | | 3 A | 90750129C0 | 90750143C0 | 90750157C0 | 90750549C0 | 90750297C0 | | | |
| | | | 4 A | 90750130C0 | 90750144C0 | 90750158C0 | 90750550C0 | 90750298C0 | | | |
| | | | 6 A | 90750131C0 | 90750145C0 | 90750159C0 | 90750551C0 | 90750299C0 | | | |
| | | | 10 A | 90750132C0 | 90750146C0 | 90750160C0 | 90750552C0 | 90750300C0 | | | |
| | | | 13 A | 90750133C0 | 90750147C0 | 90750161C0 | 90750553C0 | 90750301C0 | | | |
| | | | 16 A | 90750134C0 | 90750148C0 | 90750162C0 | 90750554C0 | 90750302C0 | | | |
| | | | 20 A | 90750135C0 | 90750149C0 | 90750163C0 | 90750555C0 | 90750303C0 | | | |
| | | | 25 A | 90750136C0 | 90750150C0 | 90750164C0 | 90750556C0 | 90750304C0 | | | |
| | | | 32 A | 90750137C0 | 90750151C0 | 90750165C0 | 90750557C0 | 90750305C0 | | | |
| | | | 40 A | 90750138C0 | 90750152C0 | 90750166C0 | 90750558C0 | 90750306C0 | | | |
| | | | 50 A | 90750139C0 | 90750153C0 | 90750167C0 | 90750559C0 | 90750307C0 | | | |
| | | | 63 A | 90750140C0 | 90750154C0 | 90750168C0 | 90750560C0 | 90750308C0 | | | |
| 3P+N | 415 VAC | 15 kA | 1 A | 90750169C0 | 90750183C0 | 90750197C0 | 90750561C0 | 90750309C0 | 8 | 512 | 3 |
| | | | 2 A | 90750170C0 | 90750184C0 | 90750198C0 | 90750562C0 | 90750310C0 | | | |
| | | | 3 A | 90750171C0 | 90750185C0 | 90750199C0 | 90750563C0 | 90750311C0 | | | |
| | | | 4 A | 90750172C0 | 90750186C0 | 90750200C0 | 90750564C0 | 90750312C0 | | | |
| | | | 6 A | 90750173C0 | 90750187C0 | 90750201C0 | 90750565C0 | 90750313C0 | | | |
| | | | 10 A | 90750174C0 | 90750188C0 | 90750202C0 | 90750566C0 | 90750314C0 | | | |
| | | | 13 A | 90750175C0 | 90750189C0 | 90750203C0 | 90750567C0 | 90750315C0 | | | |
| | | | 16 A | 90750176C0 | 90750190C0 | 90750204C0 | 90750568C0 | 90750316C0 | | | |
| | | | 20 A | 90750177C0 | 90750191C0 | 90750205C0 | 90750569C0 | 90750317C0 | | | |
| | | | 25 A | 90750178C0 | 90750192C0 | 90750206C0 | 90750570C0 | 90750318C0 | | | |
| | | | 32 A | 90750179C0 | 90750193C0 | 90750207C0 | 90750571C0 | 90750319C0 | | | |
| | | | 40 A | 90750180C0 | 90750194C0 | 90750208C0 | 90750572C0 | 90750320C0 | | | |
| | | | 50 A | 90750181C0 | 90750195C0 | 90750209C0 | 90750573C0 | 90750321C0 | | | |
| | | | 63 A | 90750182C0 | 90750196C0 | 90750210C0 | 90750574C0 | 90750322C0 | | | |
| 4P | 415 VAC | 15 kA | 1 A | 90750211C0 | 90750225C0 | 90750239C0 | 90750575C0 | 90750323C0 | 8 | 512 | 3 |
| | | | 2 A | 90750212C0 | 90750226C0 | 90750240C0 | 90750576C0 | 90750324C0 | | | |
| | | | 3 A | 90750213C0 | 90750227C0 | 90750241C0 | 90750577C0 | 90750325C0 | | | |
| | | | 4 A | 90750214C0 | 90750228C0 | 90750242C0 | 90750578C0 | 90750326C0 | | | |
| | | | 6 A | 90750215C0 | 90750229C0 | 90750243C0 | 90750579C0 | 90750327C0 | | | |
| | | | 10 A | 90750216C0 | 90750230C0 | 90750244C0 | 90750580C0 | 90750328C0 | | | |
| | | | 13 A | 90750217C0 | 90750231C0 | 90750245C0 | 90750581C0 | 90750329C0 | | | |
| | | | 16 A | 90750218C0 | 90750232C0 | 90750246C0 | 90750582C0 | 90750330C0 | | | |
| | | | 20 A | 90750219C0 | 90750233C0 | 90750247C0 | 90750583C0 | 90750331C0 | | | |
| | | | 25 A | 90750220C0 | 90750234C0 | 90750248C0 | 90750584C0 | 90750332C0 | | | |
| | | | 32 A | 90750221C0 | 90750235C0 | 90750249C0 | 90750585C0 | 90750333C0 | | | |
| | | | 40 A | 90750222C0 | 90750236C0 | 90750250C0 | 90750586C0 | 90750334C0 | | | |
| | | | 50 A | 90750223C0 | 90750237C0 | 90750251C0 | 90750587C0 | 90750335C0 | | | |
| | | | 63 A | 90750224C0 | 90750238C0 | 90750252C0 | 90750588C0 | 90750336C0 | | | |

* 1 Width module = 9 mm

# LA100H

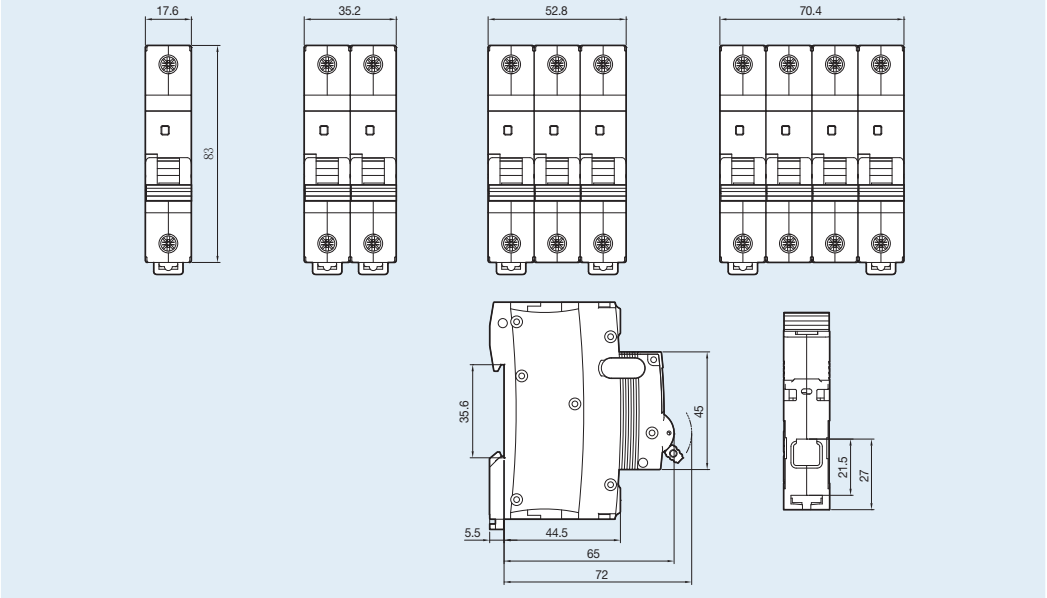
## 100 A MCB

## Specifications




| Type | | LA100H |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 60947-2 |
| | Approvals | CE, CB, UKCA, CCC |
| | Poles | 1P, 2P, 3P, 4P |
| | Rated current (In) | 63, 80, 100A |
| | Rated voltage (Ue) IEC60898-1 | - |
| | Rated voltage (Ue) IEC60947-2 | 1P: 230/240 VAC<br>2 – 4P: 400/415 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | - |
| | Rated impulse withstand voltage (Uimp) | 6 kV |
| | Rated short-circuit breaking capacity (Icu) IEC60947-2 | 10 kA |
| | Rated service breaking capacity (Ics) IEC60947-2 | 7.5 kA |
| | Tripping curve | C (8In), D (12In) |
| | Polution degree | Deg Ⅲ |
| Mechanical Feature | Electrical durability | 1500 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -30···70 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 50 $mm^2$ |
| | Tightening torque | 3.5 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LA-AX |
| | AL | LA-AL |
| | SHT | LA-SHT |
| | UVT/OVT | LA-U/OVT |

## Dimension



## Order number

### LA100H (63 – 100 A)

**100A MCB LA100H □P □□**

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240 VAC | 10 kA | 63 A | - | 90780001C0 | 90780004C0 | 2 | 140 | 12 |
| | | | 80 A | - | 90780002C0 | 90780005C0 | | | |
| | | | 100 A | - | 90780003C0 | 90780006C0 | | | |
| 2P | 415 VAC | 10 kA | 63 A | - | 90780007C0 | 90780010C0 | 4 | 280 | 6 |
| | | | 80 A | - | 90780008C0 | 90780011C0 | | | |
| | | | 100 A | - | 90780009C0 | 90780012C0 | | | |
| 3P | 415 VAC | 10 kA | 63 A | - | 90780013C0 | 90780016C0 | 6 | 420 | 4 |
| | | | 80 A | - | 90780014C0 | 90780017C0 | | | |
| | | | 100 A | - | 90780015C0 | 90780018C0 | | | |
| 4P | 415 VAC | 10 kA | 63 A | - | 90780019C0 | 90780022C0 | 8 | 560 | 3 |
| | | | 80 A | - | 90780020C0 | 90780023C0 | | | |
| | | | 100 A | - | 90780021C0 | 90780024C0 | | | |

* 1 Width module = 9 mm



LA100H 1P C63



LA100H 2P C100



LA100H 3P C100



LA100H 4P C100

# LA125H

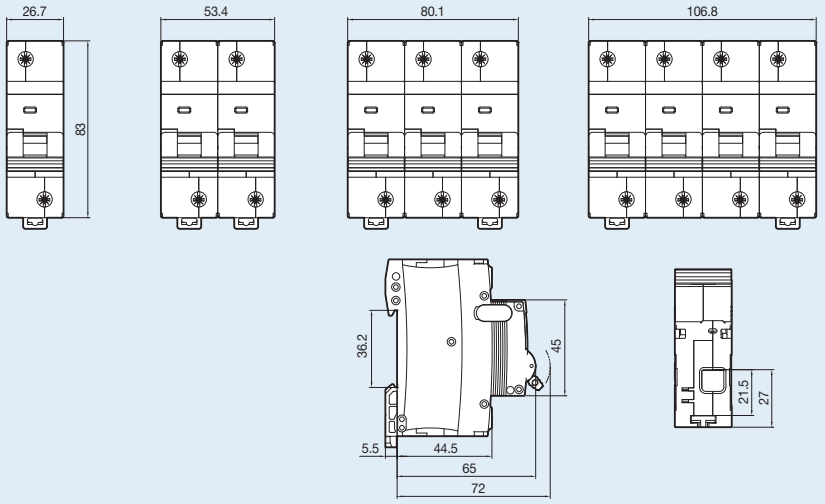
## 125 A MCB

## Specifications




| Type | | LA125H |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 60947-2 |
| | Approvals | CE, CB, UKCA, CCC |
| | Poles | 1P, 2P, 3P, 4P |
| | Rated current (In) | 10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 A |
| | Rated voltage (Ue) IEC60898-1 | - |
| | Rated voltage (Ue) IEC60947-2 | 1P: 230/240 VAC<br>2 – 4P: 400/415 VAC |
| | Insulation voltage (Ui) | 690 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | - |
| | Rated impulse withstand voltage (Uimp) | 6 kV |
| | Rated short-circuit breaking capacity (Icu) IEC60947-2 | 20 kA ( – 63 A), 10 kA (80 – 125 A) |
| | Rated service breaking capacity (Ics) IEC60947-2 | 15 kA ( – 63 A), 7.5 kA (80 – 125 A) |
| | Tripping curve | C (8In), D (12In) |
| | Polution degree | Deg Ⅲ |
| Mechanical Feature | Electrical durability | 1500 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -30···70 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 50 $mm^2$ |
| | Tightening torque | 2.5 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LA-AX |
| | AL | LA-AL |
| | SHT | LA-SHT |
| | UVT/OVT | LA-U/OVT |

## Dimension



## Order number

# LA125H (10 – 125 A)

### 125 A MCB LA125H □P □□



LA125H 1P C125



LA125H 2P C125



LA125H 3P C125



LA125H 4P C125

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240 VAC | 20 kA | 10 A | - | 90790001C0 | 90790012C0 | 3 | 189 | 12 |
| | | | 16 A | - | 90790002C0 | 90790013C0 | | | |
| | | | 20 A | - | 90790003C0 | 90790014C0 | | | |
| | | | 25 A | - | 90790004C0 | 90790015C0 | | | |
| | | | 32 A | - | 90790005C0 | 90790016C0 | | | |
| | | | 40 A | - | 90790006C0 | 90790017C0 | | | |
| | | | 50 A | - | 90790007C0 | 90790018C0 | | | |
| | | | 63 A | - | 90790008C0 | 90790019C0 | | | |
| | | 10 kA | 80 A | - | 90790009C0 | 90790020C0 | | | |
| | | | 100 A | - | 90790010C0 | 90790021C0 | | | |
| | | | 125 A | - | 90790011C0 | 90790022C0 | | | |
| 2P | 415 VAC | 20 kA | 10 A | - | 90790023C0 | 90790034C0 | 6 | 378 | 6 |
| | | | 16 A | - | 90790024C0 | 90790035C0 | | | |
| | | | 20 A | - | 90790025C0 | 90790036C0 | | | |
| | | | 25 A | - | 90790026C0 | 90790037C0 | | | |
| | | | 32 A | - | 90790027C0 | 90790038C0 | | | |
| | | | 40 A | - | 90790028C0 | 90790039C0 | | | |
| | | | 50 A | - | 90790029C0 | 90790040C0 | | | |
| | | | 63 A | - | 90790030C0 | 90790041C0 | | | |
| | | 10 kA | 80 A | - | 90790031C0 | 90790042C0 | | | |
| | | | 100 A | - | 90790032C0 | 90790043C0 | | | |
| | | | 125 A | - | 90790033C0 | 90790044C0 | | | |
| 3P | 415 VAC | 20 kA | 10 A | - | 90790045C0 | 90790056C0 | 9 | 567 | 4 |
| | | | 16 A | - | 90790046C0 | 90790057C0 | | | |
| | | | 20 A | - | 90790047C0 | 90790058C0 | | | |
| | | | 25 A | - | 90790048C0 | 90790059C0 | | | |
| | | | 32 A | - | 90790049C0 | 90790060C0 | | | |
| | | | 40 A | - | 90790050C0 | 90790061C0 | | | |
| | | | 50 A | - | 90790051C0 | 90790062C0 | | | |
| | | | 63 A | - | 90790052C0 | 90790063C0 | | | |
| | | 10 kA | 80 A | - | 90790053C0 | 90790064C0 | | | |
| | | | 100 A | - | 90790054C0 | 90790065C0 | | | |
| | | | 125 A | - | 90790055C0 | 90790066C0 | | | |
| 4P | 415 VAC | 20 kA | 10 A | - | 90790067C0 | 90790078C0 | 12 | 756 | 3 |
| | | | 16 A | - | 90790068C0 | 90790079C0 | | | |
| | | | 20 A | - | 90790069C0 | 90790080C0 | | | |
| | | | 25 A | - | 90790070C0 | 90790081C0 | | | |
| | | | 32 A | - | 90790071C0 | 90790082C0 | | | |
| | | | 40 A | - | 90790072C0 | 90790083C0 | | | |
| | | | 50 A | - | 90790073C0 | 90790084C0 | | | |
| | | | 63 A | - | 90790074C0 | 90790085C0 | | | |
| | | 10 kA | 80 A | - | 90790075C0 | 90790086C0 | | | |
| | | | 100 A | - | 90790076C0 | 90790087C0 | | | |
| | | | 125 A | - | 90790077C0 | 90790088C0 | | | |

* 1 Width module = 9 mm

# LA63HP

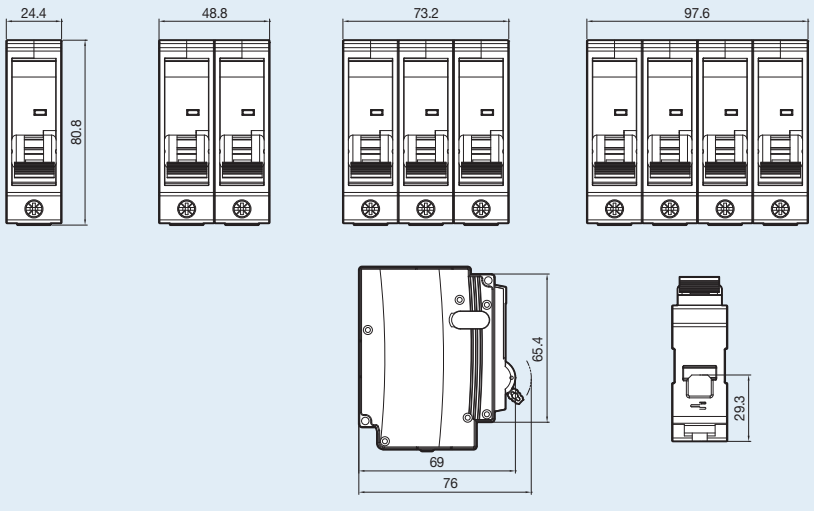
## Plug-in MCB

## Specifications




| Type | | LA63HP |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 60947-2 |
| | Approvals | CE, CB, UKCA, CCC |
| | Poles | 1P, 2P, 3P, 4P |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) IEC60898-1 | - |
| | Rated voltage (Ue) IEC60947-2 | 1P: 240 VAC<br>2 – 4P: 415 VAC |
| | Insulation voltage (Ui) | 690 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | - |
| | Rated impulse withstand voltage (Uimp) | 6 kV |
| | Rated short-circuit breaking capacity (Icu) IEC60947-2 | 10 kA |
| | Rated service breaking capacity (Ics) IEC60947-2 | 7.5 kA |
| | Tripping curve | B (4In), C (8In) |
| | Polution degree | Deg Ⅲ |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -30···70 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m |
| | Mounting | Plug-in |
| Accessories | AX | - |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number

# LA63HP (6 – 63 A)

### Plug-in MCB LA63HP □P □□



LA63HP 1P C63



LA63HP 2P C63



LA63HP 3P C63



LA63HP 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | B curve | C curve | D curve | | | |
| 1P | 240 VAC | 10 kA | 6 A | 90770001C0 | 90770011C0 | - | - | 105 | 12 |
| | | | 10 A | 90770002C0 | 90770012C0 | - | | | |
| | | | 13 A | 90770003C0 | 90770013C0 | - | | | |
| | | | 16 A | 90770004C0 | 90770014C0 | - | | | |
| | | | 20 A | 90770005C0 | 90770015C0 | - | | | |
| | | | 25 A | 90770006C0 | 90770016C0 | - | | | |
| | | | 32 A | 90770007C0 | 90770017C0 | - | | | |
| | | | 40 A | 90770008C0 | 90770018C0 | - | | | |
| | | | 50 A | 90770009C0 | 90770019C0 | - | | | |
| | | | 63 A | 90770010C0 | 90770020C0 | - | | | |
| 2P | 415 VAC | 10 kA | 6 A | 90770021C0 | 90770031C0 | - | - | 210 | 6 |
| | | | 10 A | 90770022C0 | 90770032C0 | - | | | |
| | | | 13 A | 90770023C0 | 90770033C0 | - | | | |
| | | | 16 A | 90770024C0 | 90770034C0 | - | | | |
| | | | 20 A | 90770025C0 | 90770035C0 | - | | | |
| | | | 25 A | 90770026C0 | 90770036C0 | - | | | |
| | | | 32 A | 90770027C0 | 90770037C0 | - | | | |
| | | | 40 A | 90770028C0 | 90770038C0 | - | | | |
| | | | 50 A | 90770029C0 | 90770039C0 | - | | | |
| | | | 63 A | 90770030C0 | 90770040C0 | - | | | |
| 3P | 415 VAC | 10 kA | 6 A | 90770041C0 | 90770051C0 | - | - | 315 | 4 |
| | | | 10 A | 90770042C0 | 90770052C0 | - | | | |
| | | | 13 A | 90770043C0 | 90770053C0 | - | | | |
| | | | 16 A | 90770044C0 | 90770054C0 | - | | | |
| | | | 20 A | 90770045C0 | 90770055C0 | - | | | |
| | | | 25 A | 90770046C0 | 90770056C0 | - | | | |
| | | | 32 A | 90770047C0 | 90770057C0 | - | | | |
| | | | 40 A | 90770048C0 | 90770058C0 | - | | | |
| | | | 50 A | 90770049C0 | 90770059C0 | - | | | |
| | | | 63 A | 90770050C0 | 90770060C0 | - | | | |
| 4P | 415 VAC | 10 kA | 6 A | 90770061C0 | 90770071C0 | - | - | 420 | 3 |
| | | | 10 A | 90770062C0 | 90770072C0 | - | | | |
| | | | 13 A | 90770063C0 | 90770073C0 | - | | | |
| | | | 16 A | 90770064C0 | 90770074C0 | - | | | |
| | | | 20 A | 90770065C0 | 90770075C0 | - | | | |
| | | | 25 A | 90770066C0 | 90770076C0 | - | | | |
| | | | 32 A | 90770067C0 | 90770077C0 | - | | | |
| | | | 40 A | 90770068C0 | 90770078C0 | - | | | |
| | | | 50 A | 90770069C0 | 90770079C0 | - | | | |
| | | | 63 A | 90770070C0 | 90770080C0 | - | | | |

# LA63HDC

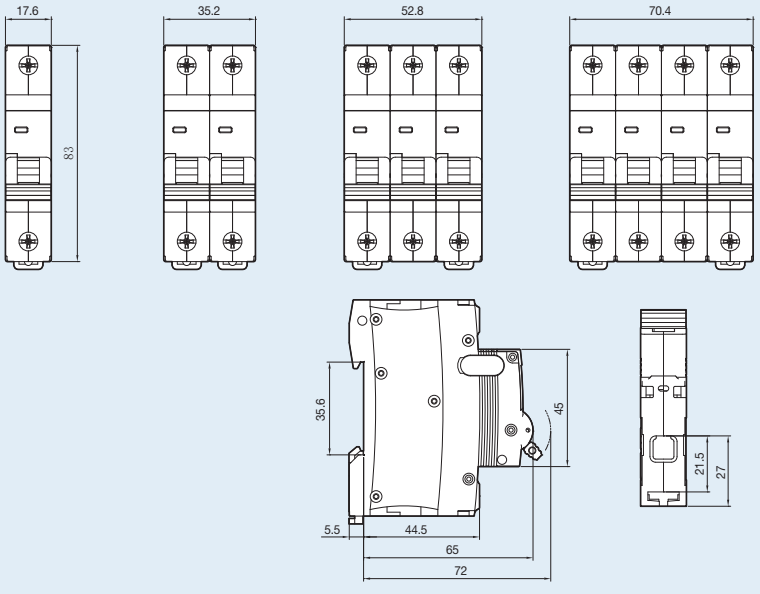
## DC MCB

## Specifications




| Type | | LA63HDC |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 60947-2 |
| | Approvals | CE, CB, UKCA, CCC |
| | Poles | 1P, 2P, 3P, 4P |
| | Rated current (In) | 1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) IEC60898-1 | - |
| | Rated voltage (Ue) IEC60947-2 | 1P: 250 VDC 3P: 750 VDC<br>2P: 500 VDC 4P: 1000 VDC |
| | Insulation voltage (Ui) | 690 V (1P, 2P), 1000 V (3P, 4P) |
| | Frequency | - |
| | Energy limiting class | - |
| | Rated impulse withstand voltage (Uimp) | 6 kV |
| | Rated short-circuit breaking capacity (Icu) IEC60947-2 | 10 kA |
| | Rated service breaking capacity (Ics) IEC60947-2 | 7.5 kA |
| | Tripping curve | C, D, K |
| | Polution degree | Deg Ⅲ |
| Mechanical Feature | Electrical durability | 1500 |
| | Mechanical durability | 20000 |
| | Protection degree | IP20 |
| | Operating temperature | -30···70 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LA-AX |
| | AL | LA-AL |
| | SHT | LA-SHT |
| | UVT/OVT | - |

## Dimension



## Order number

# LA63HDC (1 – 63 A)

### DC MCB LA63HDC □P □□



LA63HDC 1P C63



LA63HDC 2P C63



LA63HDC 3P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | C curve | D curve | K curve | | | |
| 1P | 250 VDC | 10 kA | 1 A | 90760001C0 | 90760015C0 | 90760227C0 | 2 | 128 | 12 |
| | | | 2 A | 90760002C0 | 90760016C0 | 90760228C0 | | | |
| | | | 3 A | 90760003C0 | 90760017C0 | 90760229C0 | | | |
| | | | 4 A | 90760004C0 | 90760018C0 | 90760230C0 | | | |
| | | | 6 A | 90760005C0 | 90760019C0 | 90760231C0 | | | |
| | | | 10 A | 90760006C0 | 90760020C0 | 90760232C0 | | | |
| | | | 13 A | 90760007C0 | 90760021C0 | 90760233C0 | | | |
| | | | 16 A | 90760008C0 | 90760022C0 | 90760234C0 | | | |
| | | | 20 A | 90760009C0 | 90760023C0 | 90760235C0 | | | |
| | | | 25 A | 90760010C0 | 90760024C0 | 90760236C0 | | | |
| | | | 32 A | 90760011C0 | 90760025C0 | 90760237C0 | | | |
| | | | 40 A | 90760012C0 | 90760026C0 | 90760238C0 | | | |
| | | | 50 A | 90760013C0 | 90760027C0 | 90760239C0 | | | |
| | | | 63 A | 90760014C0 | 90760028C0 | 90760240C0 | | | |
| 2P | 500 VDC | 10 kA | 1 A | 90760029C0 | 90760043C0 | 90760241C0 | 4 | 256 | 6 |
| | | | 2 A | 90760030C0 | 90760044C0 | 90760242C0 | | | |
| | | | 3 A | 90760031C0 | 90760045C0 | 90760243C0 | | | |
| | | | 4 A | 90760032C0 | 90760046C0 | 90760244C0 | | | |
| | | | 6 A | 90760033C0 | 90760047C0 | 90760245C0 | | | |
| | | | 10 A | 90760034C0 | 90760048C0 | 90760246C0 | | | |
| | | | 13 A | 90760035C0 | 90760049C0 | 90760247C0 | | | |
| | | | 16 A | 90760036C0 | 90760050C0 | 90760248C0 | | | |
| | | | 20 A | 90760037C0 | 90760051C0 | 90760249C0 | | | |
| | | | 25 A | 90760038C0 | 90760052C0 | 90760250C0 | | | |
| | | | 32 A | 90760039C0 | 90760053C0 | 90760251C0 | | | |
| | | | 40 A | 90760040C0 | 90760054C0 | 90760252C0 | | | |
| | | | 50 A | 90760041C0 | 90760055C0 | 90760253C0 | | | |
| | | | 63 A | 90760042C0 | 90760056C0 | 90760254C0 | | | |
| 3P | 750 VDC | 10 kA | 1 A | 90760057C0 | 90760071C0 | 90760255C0 | 6 | 384 | 4 |
| | | | 2 A | 90760058C0 | 90760072C0 | 90760256C0 | | | |
| | | | 3 A | 90760059C0 | 90760073C0 | 90760257C0 | | | |
| | | | 4 A | 90760060C0 | 90760074C0 | 90760258C0 | | | |
| | | | 6 A | 90760061C0 | 90760075C0 | 90760259C0 | | | |
| | | | 10 A | 90760062C0 | 90760076C0 | 90760260C0 | | | |
| | | | 13 A | 90760063C0 | 90760077C0 | 90760261C0 | | | |
| | | | 16 A | 90760064C0 | 90760078C0 | 90760262C0 | | | |
| | | | 20 A | 90760065C0 | 90760079C0 | 90760263C0 | | | |
| | | | 25 A | 90760066C0 | 90760080C0 | 90760264C0 | | | |
| | | | 32 A | 90760067C0 | 90760081C0 | 90760265C0 | | | |
| | | | 40 A | 90760068C0 | 90760082C0 | 90760266C0 | | | |
| | | | 50 A | 90760069C0 | 90760083C0 | 90760267C0 | | | |
| | | | 63 A | 90760070C0 | 90760084C0 | 90760268C0 | | | |

* 1 Width module = 9 mm

## Order number

### LA63HDC (1 – 63 A)

DC MCB LA63HDC □P □□



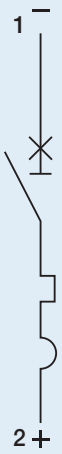
LA63HDC 4P C63

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | C curve | D curve | K curve | | | |
| 4P | 1000 VDC | 10 kA | 1 A | 90760085C0 | 90760099C0 | 90760269C0 | 8 | 512 | 3 |
| | | | 2 A | 90760086C0 | 90760100C0 | 90760270C0 | | | |
| | | | 3 A | 90760087C0 | 90760101C0 | 90760271C0 | | | |
| | | | 4 A | 90760088C0 | 90760102C0 | 90760272C0 | | | |
| | | | 6 A | 90760089C0 | 90760103C0 | 90760273C0 | | | |
| | | | 10 A | 90760090C0 | 90760104C0 | 90760274C0 | | | |
| | | | 13 A | 90760091C0 | 90760105C0 | 90760275C0 | | | |
| | | | 16 A | 90760092C0 | 90760106C0 | 90760276C0 | | | |
| | | | 20 A | 90760093C0 | 90760107C0 | 90760277C0 | | | |
| | | | 25 A | 90760094C0 | 90760108C0 | 90760278C0 | | | |
| | | | 32 A | 90760095C0 | 90760109C0 | 90760279C0 | | | |
| | | | 40 A | 90760096C0 | 90760110C0 | 90760280C0 | | | |
| | | | 50 A | 90760097C0 | 90760111C0 | 90760281C0 | | | |
| | | | 63 A | 90760098C0 | 90760112C0 | 90760282C0 | | | |

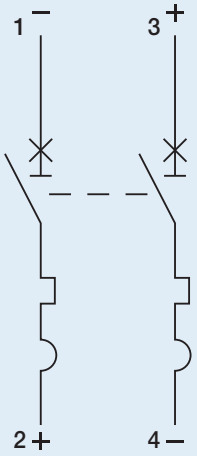
* 1 Width module = 9 mm

# Connection method

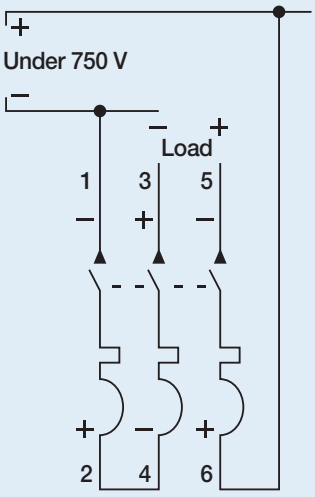
## Single pole diagram



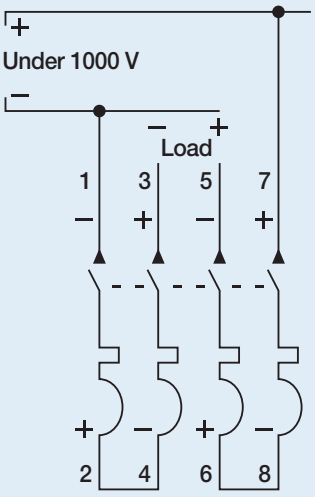

## Two pole series connection diagram




## Three pole series connection diagram




## Four pole series connection diagram



# LA125D

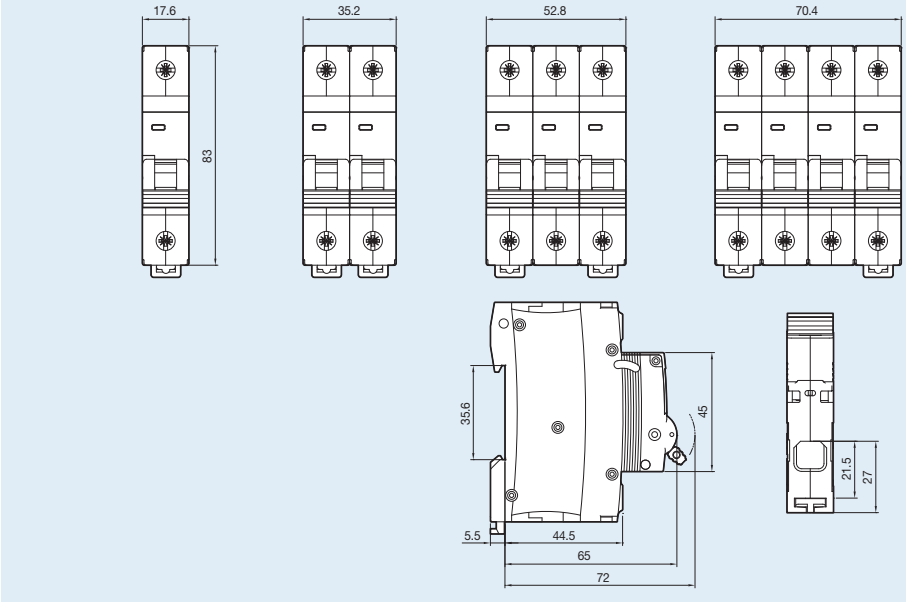
## 125 A Switch-Disconnector

## Specifications




| Type | | LA125D |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 60947-3 |
| | Approvals | CE, CB, UKCA, CCC |
| | Poles | 1P, 2P, 3P, 4P |
| | Rated current (In) | 40, 50, 63, 80, 100, 125 A |
| | Rated voltage (Ue) IEC60898-1 | - |
| | Rated voltage (Ue) IEC60947-3 | 1P: 230/240 VAC<br>2 – 4P: 400/415 VAC |
| | Insulation voltage (Ui) | 690 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | - |
| | Rated impulse withstand voltage (Uimp) | 6k V |
| | Rated short-time withstand current(Icw) | 1500 A/1 s |
| | Rated short-circuit making capacity (Icm) | 2500 A |
| | Utilization category | AC-22 A |
| | Polution degree | Deg Ⅲ |
| Mechanical Feature | Electrical durability | 1500 (125 A 1000) |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -30···70 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 50 $mm^2$ |
| | Tightening torque | 3.5 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LA-AX |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number

# LA125D (40 – 125 A)

### 125 A Switch-Disconnector LA125D □P □



LA125D 1P 63



LA125D 2P 125



LA125D 3P 125



LA125D 4P 125

| Type | Ue (V) | Breaking Capacity | In (A) | Order Number | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|
| 1P | 240 VAC | - | 40 A | 90800001C0 | 2 | 87 | 12 |
| | | | 50 A | 90800002C0 | | | |
| | | | 63 A | 90800003C0 | | | |
| | | | 80 A | 90800004C0 | | | |
| | | | 100 A | 90800005C0 | | | |
| | | | 125 A | 90800006C0 | | | |
| 2P | 415 VAC | - | 40 A | 90800007C0 | 4 | 174 | 6 |
| | | | 50 A | 90800008C0 | | | |
| | | | 63 A | 90800009C0 | | | |
| | | | 80 A | 90800010C0 | | | |
| | | | 100 A | 90800011C0 | | | |
| | | | 125 A | 90800012C0 | | | |
| 3P | 415 VAC | - | 40 A | 90800013C0 | 6 | 261 | 4 |
| | | | 50 A | 90800014C0 | | | |
| | | | 63 A | 90800015C0 | | | |
| | | | 80 A | 90800016C0 | | | |
| | | | 100 A | 90800017C0 | | | |
| | | | 125 A | 90800018C0 | | | |
| 4P | 415 VAC | - | 40 A | 90800019C0 | 8 | 348 | 3 |
| | | | 50 A | 90800020C0 | | | |
| | | | 63 A | 90800021C0 | | | |
| | | | 80 A | 90800022C0 | | | |
| | | | 100 A | 90800023C0 | | | |
| | | | 125 A | 90800024C0 | | | |

* 1 Width module = 9 mm

# LB40NN

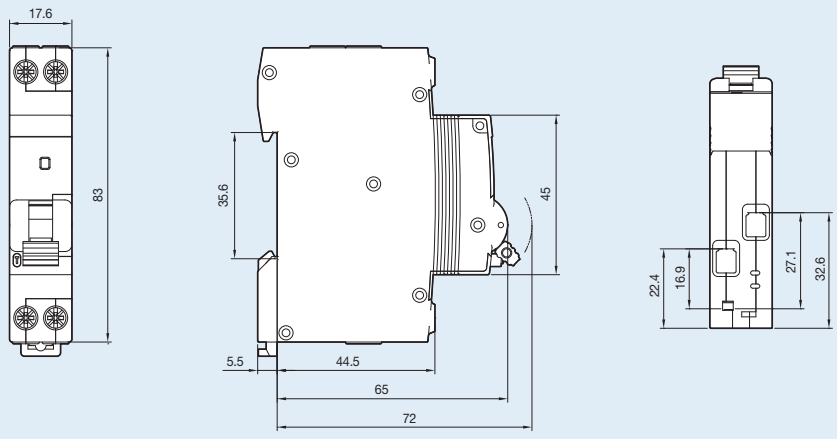
## 1P+N 18 mm RCBO

## Specifications




| Type | | LB40NN |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA, CCC |
| | Operation type | AC, A |
| | Poles | 1P+N |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40 A |
| | Rated voltage (Ue) | 230/240 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 6 kA |
| | Rated service breaking capacity (Ics) | 6 kA |
| | Rated making capacity (Im) | 3000 A |
| | Tripping curve | B, C |
| | Sensitivity (mA) | 10, 30, 100, 300 |
| | Type of trip | Electronic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 16 $mm^2$ |
| | Tightening torque | 1.2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | - |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number

# LB40NN (6 – 40 A)

### 1P+N 18 mm RCBO LB40NN 1P+N □□□□



LB40NN 1P+N C40
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 mA | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | 6 kA | B | AC | 6 A | 90850001C0 | 90850009C0 | 90850017C0 | 90850025C0 | 2 | 130 | 12 |
| | | | | | 10 A | 90850002C0 | 90850010C0 | 90850018C0 | 90850026C0 | | | |
| | | | | | 13 A | 90850003C0 | 90850011C0 | 90850019C0 | 90850027C0 | | | |
| | | | | | 16 A | 90850004C0 | 90850012C0 | 90850020C0 | 90850028C0 | | | |
| | | | | | 20 A | 90850005C0 | 90850013C0 | 90850021C0 | 90850029C0 | | | |
| | | | | | 25 A | 90850006C0 | 90850014C0 | 90850022C0 | 90850030C0 | | | |
| | | | | | 32 A | 90850007C0 | 90850015C0 | 90850023C0 | 90850031C0 | | | |
| | | | | | 40 A | 90850008C0 | 90850016C0 | 90850024C0 | 90850032C0 | | | |
| | | | | A | 6 A | 90850033C0 | 90850041C0 | 90850049C0 | 90850057C0 | 2 | 130 | 12 |
| | | | | | 10 A | 90850034C0 | 90850042C0 | 90850050C0 | 90850058C0 | | | |
| | | | | | 13 A | 90850035C0 | 90850043C0 | 90850051C0 | 90850059C0 | | | |
| | | | | | 16 A | 90850036C0 | 90850044C0 | 90850052C0 | 90850060C0 | | | |
| | | | | | 20 A | 90850037C0 | 90850045C0 | 90850053C0 | 90850061C0 | | | |
| | | | | | 25 A | 90850038C0 | 90850046C0 | 90850054C0 | 90850062C0 | | | |
| | | | | | 32 A | 90850039C0 | 90850047C0 | 90850055C0 | 90850063C0 | | | |
| | | | | | 40 A | 90850040C0 | 90850048C0 | 90850056C0 | 90850064C0 | | | |
| | | 6 kA | C | AC | 6 A | 90850065C0 | 90850073C0 | 90850081C0 | 90850089C0 | 2 | 130 | 12 |
| | | | | | 10 A | 90850066C0 | 90850074C0 | 90850082C0 | 90850090C0 | | | |
| | | | | | 13 A | 90850067C0 | 90850075C0 | 90850083C0 | 90850091C0 | | | |
| | | | | | 16 A | 90850068C0 | 90850076C0 | 90850084C0 | 90850092C0 | | | |
| | | | | | 20 A | 90850069C0 | 90850077C0 | 90850085C0 | 90850093C0 | | | |
| | | | | | 25 A | 90850070C0 | 90850078C0 | 90850086C0 | 90850094C0 | | | |
| | | | | | 32 A | 90850071C0 | 90850079C0 | 90850087C0 | 90850095C0 | | | |
| | | | | | 40 A | 90850072C0 | 90850080C0 | 90850088C0 | 90850096C0 | | | |
| | | | | A | 6 A | 90850097C0 | 90850105C0 | 90850113C0 | 90850121C0 | 2 | 130 | 12 |
| | | | | | 10 A | 90850098C0 | 90850106C0 | 90850114C0 | 90850122C0 | | | |
| | | | | | 13 A | 90850099C0 | 90850107C0 | 90850115C0 | 90850123C0 | | | |
| | | | | | 16 A | 90850100C0 | 90850108C0 | 90850116C0 | 90850124C0 | | | |
| | | | | | 20 A | 90850101C0 | 90850109C0 | 90850117C0 | 90850125C0 | | | |
| | | | | | 25 A | 90850102C0 | 90850110C0 | 90850118C0 | 90850126C0 | | | |
| | | | | | 32 A | 90850103C0 | 90850111C0 | 90850119C0 | 90850127C0 | | | |
| | | | | | 40 A | 90850104C0 | 90850112C0 | 90850120C0 | 90850128C0 | | | |

* 1 Width module = 9 mm

# LB40N/LB40H

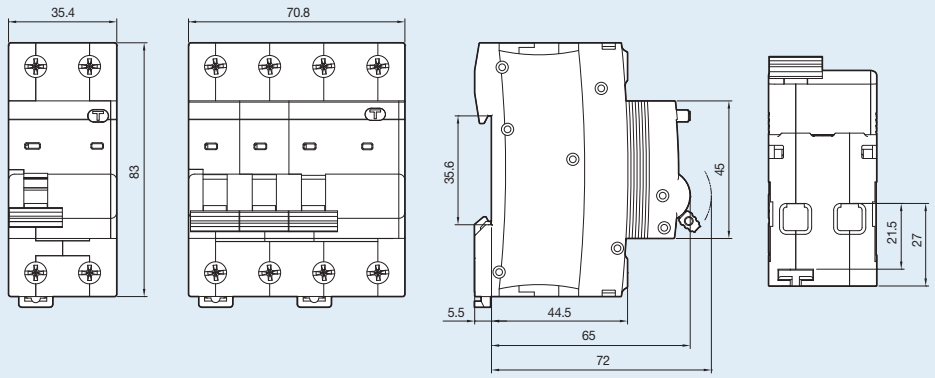
## 40 A RCBO

## Specifications




| Type | | LB40N | LB40H |
|---|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA, CCC | CE, CB, UKCA, CCC |
| | Operation type | AC, A | AC, A |
| | Poles | 1P+N, 3P+N | 1P+N, 3P+N |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40 A | 6, 10, 13, 16, 20, 25, 32, 40 A |
| | Rated voltage (Ue) | 1P+N: 240 VAC/3P+N: 415 VAC | 1P+N: 240 VAC/3P+N: 415 VAC |
| | Insulation voltage (Ui) | 500 V | 500 V |
| | Frequency | 50/60 Hz | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 6 kA | 10 kA |
| | Rated service breaking capacity (Ics) | 6 kA | 7.5 kA |
| | Rated making capacity (Im) | 4500 A | 4500 A |
| | Tripping curve | B, C, D | B, C, D |
| | Sensitivity (mA) | 30, 100, 300 | 30, 100, 300 |
| | Type of trip | Magnetic | Magnetic |
| | Residual current off-time | ≤ 0.1 sec. | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 | 4000 |
| | Mechanical durability | 10000 | 10000 |
| | Protection degree | IP20 | IP20 |
| | Operating temperature | -25···60 °C | -25···60 °C |
| | Storage temperature | -40···80 °C | -40···80 °C |
| Installation | Type of terminal | Lug ternimal | Lug ternimal |
| | Terminal capacity | Cable up to 16 $mm^2$ | Cable up to 16 $mm^2$ |
| | Tightening torque | 1.2 N.m | 1.2 N.m |
| | Mounting | 35 mm Din Rail | 35 mm Din Rail |
| Accessories | AX | LB-AX | LB-AX |
| | AL | LB-AL | LB-AL |
| | SHT | LB-SHT | LB-SHT |
| | UVT/OVT | LB-U/OVT | LB-U/OVT |

## Dimension



## Order number

# LB40N (6 – 40 A)

### 40 A RCBO (6 kA) LB40N □P+N □□□□



LB40N 1P+N C40
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number 30 mA | Order Number 100 mA | Order Number 300 mA | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1P+N | 240 VAC | 6 kA | B | AC | 6 A | 90860001C0 | 90860009C0 | 90860017C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90860002C0 | 90860010C0 | 90860018C0 | | | |
| | | | | | 13 A | 90860003C0 | 90860011C0 | 90860019C0 | | | |
| | | | | | 16 A | 90860004C0 | 90860012C0 | 90860020C0 | | | |
| | | | | | 20 A | 90860005C0 | 90860013C0 | 90860021C0 | | | |
| | | | | | 25 A | 90860006C0 | 90860014C0 | 90860022C0 | | | |
| | | | | | 32 A | 90860007C0 | 90860015C0 | 90860023C0 | | | |
| | | | | | 40 A | 90860008C0 | 90860016C0 | 90860024C0 | | | |
| | | | | A | 6 A | 90860025C0 | 90860033C0 | 90860041C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90860026C0 | 90860034C0 | 90860042C0 | | | |
| | | | | | 13 A | 90860027C0 | 90860035C0 | 90860043C0 | | | |
| | | | | | 16 A | 90860028C0 | 90860036C0 | 90860044C0 | | | |
| | | | | | 20 A | 90860029C0 | 90860037C0 | 90860045C0 | | | |
| | | | | | 25 A | 90860030C0 | 90860038C0 | 90860046C0 | | | |
| | | | | | 32 A | 90860031C0 | 90860039C0 | 90860047C0 | | | |
| | | | | | 40 A | 90860032C0 | 90860040C0 | 90860048C0 | | | |
| | | 6 kA | C | AC | 6 A | 90860049C0 | 90860057C0 | 90860065C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90860050C0 | 90860058C0 | 90860066C0 | | | |
| | | | | | 13 A | 90860051C0 | 90860059C0 | 90860067C0 | | | |
| | | | | | 16 A | 90860052C0 | 90860060C0 | 90860068C0 | | | |
| | | | | | 20 A | 90860053C0 | 90860061C0 | 90860069C0 | | | |
| | | | | | 25 A | 90860054C0 | 90860062C0 | 90860070C0 | | | |
| | | | | | 32 A | 90860055C0 | 90860063C0 | 90860071C0 | | | |
| | | | | | 40 A | 90860056C0 | 90860064C0 | 90860072C0 | | | |
| | | | | A | 6 A | 90860073C0 | 90860081C0 | 90860089C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90860074C0 | 90860082C0 | 90860090C0 | | | |
| | | | | | 13 A | 90860075C0 | 90860083C0 | 90860091C0 | | | |
| | | | | | 16 A | 90860076C0 | 90860084C0 | 90860092C0 | | | |
| | | | | | 20 A | 90860077C0 | 90860085C0 | 90860093C0 | | | |
| | | | | | 25 A | 90860078C0 | 90860086C0 | 90860094C0 | | | |
| | | | | | 32 A | 90860079C0 | 90860087C0 | 90860095C0 | | | |
| | | | | | 40 A | 90860080C0 | 90860088C0 | 90860096C0 | | | |
| | | 6 kA | D | AC | 6 A | 90860097C0 | 90860105C0 | 90860113C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90860098C0 | 90860106C0 | 90860114C0 | | | |
| | | | | | 13 A | 90860099C0 | 90860107C0 | 90860115C0 | | | |
| | | | | | 16 A | 90860100C0 | 90860108C0 | 90860116C0 | | | |
| | | | | | 20 A | 90860101C0 | 90860109C0 | 90860117C0 | | | |
| | | | | | 25 A | 90860102C0 | 90860110C0 | 90860118C0 | | | |
| | | | | | 32 A | 90860103C0 | 90860111C0 | 90860119C0 | | | |
| | | | | | 40 A | 90860104C0 | 90860112C0 | 90860120C0 | | | |
| | | | | A | 6 A | 90860121C0 | 90860129C0 | 90860137C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90860122C0 | 90860130C0 | 90860138C0 | | | |
| | | | | | 13 A | 90860123C0 | 90860131C0 | 90860139C0 | | | |
| | | | | | 16 A | 90860124C0 | 90860132C0 | 90860140C0 | | | |
| | | | | | 20 A | 90860125C0 | 90860133C0 | 90860141C0 | | | |
| | | | | | 25 A | 90860126C0 | 90860134C0 | 90860142C0 | | | |
| | | | | | 32 A | 90860127C0 | 90860135C0 | 90860143C0 | | | |
| | | | | | 40 A | 90860128C0 | 90860136C0 | 90860144C0 | | | |

* 1 Width module = 9 mm

## Order number

### LB40N (6 – 40 A)

40 A RCBO (6 kA) LB40N □P+N □□□□



LB40N 3P+N C40
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number 30 mA | 100 mA | 300 mA | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3P+N | 415 VAC | 6 kA | B | AC | 6 A | 90860145C0 | 90860153C0 | 90860161C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90860146C0 | 90860154C0 | 90860162C0 | | | |
| | | | | | 13 A | 90860147C0 | 90860155C0 | 90860163C0 | | | |
| | | | | | 16 A | 90860148C0 | 90860156C0 | 90860164C0 | | | |
| | | | | | 20 A | 90860149C0 | 90860157C0 | 90860165C0 | | | |
| | | | | | 25 A | 90860150C0 | 90860158C0 | 90860166C0 | | | |
| | | | | | 32 A | 90860151C0 | 90860159C0 | 90860167C0 | | | |
| | | | | | 40 A | 90860152C0 | 90860160C0 | 90860168C0 | | | |
| | | | | A | 6 A | 90860169C0 | 90860177C0 | 90860185C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90860170C0 | 90860178C0 | 90860186C0 | | | |
| | | | | | 13 A | 90860171C0 | 90860179C0 | 90860187C0 | | | |
| | | | | | 16 A | 90860172C0 | 90860180C0 | 90860188C0 | | | |
| | | | | | 20 A | 90860173C0 | 90860181C0 | 90860189C0 | | | |
| | | | | | 25 A | 90860174C0 | 90860182C0 | 90860190C0 | | | |
| | | | | | 32 A | 90860175C0 | 90860183C0 | 90860191C0 | | | |
| | | | | | 40 A | 90860176C0 | 90860184C0 | 90860192C0 | | | |
| | | | C | AC | 6 A | 90860193C0 | 90860201C0 | 90860209C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90860194C0 | 90860202C0 | 90860210C0 | | | |
| | | | | | 13 A | 90860195C0 | 90860203C0 | 90860211C0 | | | |
| | | | | | 16 A | 90860196C0 | 90860204C0 | 90860212C0 | | | |
| | | | | | 20 A | 90860197C0 | 90860205C0 | 90860213C0 | | | |
| | | | | | 25 A | 90860198C0 | 90860206C0 | 90860214C0 | | | |
| | | | | | 32 A | 90860199C0 | 90860207C0 | 90860215C0 | | | |
| | | | | | 40 A | 90860200C0 | 90860208C0 | 90860216C0 | | | |
| | | | | A | 6 A | 90860217C0 | 90860225C0 | 90860233C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90860218C0 | 90860226C0 | 90860234C0 | | | |
| | | | | | 13 A | 90860219C0 | 90860227C0 | 90860235C0 | | | |
| | | | | | 16 A | 90860220C0 | 90860228C0 | 90860236C0 | | | |
| | | | | | 20 A | 90860221C0 | 90860229C0 | 90860237C0 | | | |
| | | | | | 25 A | 90860222C0 | 90860230C0 | 90860238C0 | | | |
| | | | | | 32 A | 90860223C0 | 90860231C0 | 90860239C0 | | | |
| | | | | | 40 A | 90860224C0 | 90860232C0 | 90860240C0 | | | |
| | | | D | AC | 6 A | 90860241C0 | 90860249C0 | 90860257C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90860242C0 | 90860250C0 | 90860258C0 | | | |
| | | | | | 13 A | 90860243C0 | 90860251C0 | 90860259C0 | | | |
| | | | | | 16 A | 90860244C0 | 90860252C0 | 90860260C0 | | | |
| | | | | | 20 A | 90860245C0 | 90860253C0 | 90860261C0 | | | |
| | | | | | 25 A | 90860246C0 | 90860254C0 | 90860262C0 | | | |
| | | | | | 32 A | 90860247C0 | 90860255C0 | 90860263C0 | | | |
| | | | | | 40 A | 90860248C0 | 90860256C0 | 90860264C0 | | | |
| | | | | A | 6 A | 90860265C0 | 90860273C0 | 90860281C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90860266C0 | 90860274C0 | 90860282C0 | | | |
| | | | | | 13 A | 90860267C0 | 90860275C0 | 90860283C0 | | | |
| | | | | | 16 A | 90860268C0 | 90860276C0 | 90860284C0 | | | |
| | | | | | 20 A | 90860269C0 | 90860277C0 | 90860285C0 | | | |
| | | | | | 25 A | 90860270C0 | 90860278C0 | 90860286C0 | | | |
| | | | | | 32 A | 90860271C0 | 90860279C0 | 90860287C0 | | | |
| | | | | | 40 A | 90860272C0 | 90860280C0 | 90860288C0 | | | |

* 1 Width module = 9 mm

## Order number

# LB40H (6 – 40 A)

### 40 A RCBO (10 kA) LB40H □P+N □□□□



LB40H 1P+N C40
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | 10 kA | B | AC | 6 A | 90880001C0 | 90880009C0 | 90880017C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90880002C0 | 90880010C0 | 90880018C0 | | | |
| | | | | | 13 A | 90880003C0 | 90880011C0 | 90880019C0 | | | |
| | | | | | 16 A | 90880004C0 | 90880012C0 | 90880020C0 | | | |
| | | | | | 20 A | 90880005C0 | 90880013C0 | 90880021C0 | | | |
| | | | | | 25 A | 90880006C0 | 90880014C0 | 90880022C0 | | | |
| | | | | | 32 A | 90880007C0 | 90880015C0 | 90880023C0 | | | |
| | | | | | 40 A | 90880008C0 | 90880016C0 | 90880024C0 | | | |
| | | | | A | 6 A | 90880025C0 | 90880033C0 | 90880041C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90880026C0 | 90880034C0 | 90880042C0 | | | |
| | | | | | 13 A | 90880027C0 | 90880035C0 | 90880043C0 | | | |
| | | | | | 16 A | 90880028C0 | 90880036C0 | 90880044C0 | | | |
| | | | | | 20 A | 90880029C0 | 90880037C0 | 90880045C0 | | | |
| | | | | | 25 A | 90880030C0 | 90880038C0 | 90880046C0 | | | |
| | | | | | 32 A | 90880031C0 | 90880039C0 | 90880047C0 | | | |
| | | | | | 40 A | 90880032C0 | 90880040C0 | 90880048C0 | | | |
| | | 10 kA | C | AC | 6 A | 90880049C0 | 90880057C0 | 90880065C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90880050C0 | 90880058C0 | 90880066C0 | | | |
| | | | | | 13 A | 90880051C0 | 90880059C0 | 90880067C0 | | | |
| | | | | | 16 A | 90880052C0 | 90880060C0 | 90880068C0 | | | |
| | | | | | 20 A | 90880053C0 | 90880061C0 | 90880069C0 | | | |
| | | | | | 25 A | 90880054C0 | 90880062C0 | 90880070C0 | | | |
| | | | | | 32 A | 90880055C0 | 90880063C0 | 90880071C0 | | | |
| | | | | | 40 A | 90880056C0 | 90880064C0 | 90880072C0 | | | |
| | | | | A | 6 A | 90880073C0 | 90880081C0 | 90880089C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90880074C0 | 90880082C0 | 90880090C0 | | | |
| | | | | | 13 A | 90880075C0 | 90880083C0 | 90880091C0 | | | |
| | | | | | 16 A | 90880076C0 | 90880084C0 | 90880092C0 | | | |
| | | | | | 20 A | 90880077C0 | 90880085C0 | 90880093C0 | | | |
| | | | | | 25 A | 90880078C0 | 90880086C0 | 90880094C0 | | | |
| | | | | | 32 A | 90880079C0 | 90880087C0 | 90880095C0 | | | |
| | | | | | 40 A | 90880080C0 | 90880088C0 | 90880096C0 | | | |
| | | 10 kA | D | AC | 6 A | 90880097C0 | 90880105C0 | 90880113C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90880098C0 | 90880106C0 | 90880114C0 | | | |
| | | | | | 13 A | 90880099C0 | 90880107C0 | 90880115C0 | | | |
| | | | | | 16 A | 90880100C0 | 90880108C0 | 90880116C0 | | | |
| | | | | | 20 A | 90880101C0 | 90880109C0 | 90880117C0 | | | |
| | | | | | 25 A | 90880102C0 | 90880110C0 | 90880118C0 | | | |
| | | | | | 32 A | 90880103C0 | 90880111C0 | 90880119C0 | | | |
| | | | | | 40 A | 90880104C0 | 90880112C0 | 90880120C0 | | | |
| | | | | A | 6 A | 90880121C0 | 90880129C0 | 90880137C0 | 4 | 217 | 6 |
| | | | | | 10 A | 90880122C0 | 90880130C0 | 90880138C0 | | | |
| | | | | | 13 A | 90880123C0 | 90880131C0 | 90880139C0 | | | |
| | | | | | 16 A | 90880124C0 | 90880132C0 | 90880140C0 | | | |
| | | | | | 20 A | 90880125C0 | 90880133C0 | 90880141C0 | | | |
| | | | | | 25 A | 90880126C0 | 90880134C0 | 90880142C0 | | | |
| | | | | | 32 A | 90880127C0 | 90880135C0 | 90880143C0 | | | |
| | | | | | 40 A | 90880128C0 | 90880136C0 | 90880144C0 | | | |

* 1 Width module = 9 mm

## Order number

### LB40H (6 – 40 A)

40 A RCBO (10 kA) LB40H □P+N □□□□



LB40H 3P+N C40
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 100 mA | 300 mA | | | |
| 3P+N | 415 VAC | 10 kA | B | AC | 6 A | 90880145C0 | 90880153C0 | 90880161C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90880146C0 | 90880154C0 | 90880162C0 | | | |
| | | | | | 13 A | 90880147C0 | 90880155C0 | 90880163C0 | | | |
| | | | | | 16 A | 90880148C0 | 90880156C0 | 90880164C0 | | | |
| | | | | | 20 A | 90880149C0 | 90880157C0 | 90880165C0 | | | |
| | | | | | 25 A | 90880150C0 | 90880158C0 | 90880166C0 | | | |
| | | | | | 32 A | 90880151C0 | 90880159C0 | 90880167C0 | | | |
| | | | | | 40 A | 90880152C0 | 90880160C0 | 90880168C0 | | | |
| | | | | A | 6 A | 90880169C0 | 90880177C0 | 90880185C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90880170C0 | 90880178C0 | 90880186C0 | | | |
| | | | | | 13 A | 90880171C0 | 90880179C0 | 90880187C0 | | | |
| | | | | | 16 A | 90880172C0 | 90880180C0 | 90880188C0 | | | |
| | | | | | 20 A | 90880173C0 | 90880181C0 | 90880189C0 | | | |
| | | | | | 25 A | 90880174C0 | 90880182C0 | 90880190C0 | | | |
| | | | | | 32 A | 90880175C0 | 90880183C0 | 90880191C0 | | | |
| | | | | | 40 A | 90880176C0 | 90880184C0 | 90880192C0 | | | |
| | | 10 kA | C | AC | 6 A | 90880193C0 | 90880201C0 | 90880209C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90880194C0 | 90880202C0 | 90880210C0 | | | |
| | | | | | 13 A | 90880195C0 | 90880203C0 | 90880211C0 | | | |
| | | | | | 16 A | 90880196C0 | 90880204C0 | 90880212C0 | | | |
| | | | | | 20 A | 90880197C0 | 90880205C0 | 90880213C0 | | | |
| | | | | | 25 A | 90880198C0 | 90880206C0 | 90880214C0 | | | |
| | | | | | 32 A | 90880199C0 | 90880207C0 | 90880215C0 | | | |
| | | | | | 40 A | 90880200C0 | 90880208C0 | 90880216C0 | | | |
| | | | | A | 6 A | 90880217C0 | 90880225C0 | 90880233C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90880218C0 | 90880226C0 | 90880234C0 | | | |
| | | | | | 13 A | 90880219C0 | 90880227C0 | 90880235C0 | | | |
| | | | | | 16 A | 90880220C0 | 90880228C0 | 90880236C0 | | | |
| | | | | | 20 A | 90880221C0 | 90880229C0 | 90880237C0 | | | |
| | | | | | 25 A | 90880222C0 | 90880230C0 | 90880238C0 | | | |
| | | | | | 32 A | 90880223C0 | 90880231C0 | 90880239C0 | | | |
| | | | | | 40 A | 90880224C0 | 90880232C0 | 90880240C0 | | | |
| | | 10 kA | D | AC | 6 A | 90880241C0 | 90880249C0 | 90880257C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90880242C0 | 90880250C0 | 90880258C0 | | | |
| | | | | | 13 A | 90880243C0 | 90880251C0 | 90880259C0 | | | |
| | | | | | 16 A | 90880244C0 | 90880252C0 | 90880260C0 | | | |
| | | | | | 20 A | 90880245C0 | 90880253C0 | 90880261C0 | | | |
| | | | | | 25 A | 90880246C0 | 90880254C0 | 90880262C0 | | | |
| | | | | | 32 A | 90880247C0 | 90880255C0 | 90880263C0 | | | |
| | | | | | 40 A | 90880248C0 | 90880256C0 | 90880264C0 | | | |
| | | | | A | 6 A | 90880265C0 | 90880273C0 | 90880281C0 | 8 | 467 | 3 |
| | | | | | 10 A | 90880266C0 | 90880274C0 | 90880282C0 | | | |
| | | | | | 13 A | 90880267C0 | 90880275C0 | 90880283C0 | | | |
| | | | | | 16 A | 90880268C0 | 90880276C0 | 90880284C0 | | | |
| | | | | | 20 A | 90880269C0 | 90880277C0 | 90880285C0 | | | |
| | | | | | 25 A | 90880270C0 | 90880278C0 | 90880286C0 | | | |
| | | | | | 32 A | 90880271C0 | 90880279C0 | 90880287C0 | | | |
| | | | | | 40 A | 90880272C0 | 90880280C0 | 90880288C0 | | | |

* 1 Width module = 9 mm

# LB40NB

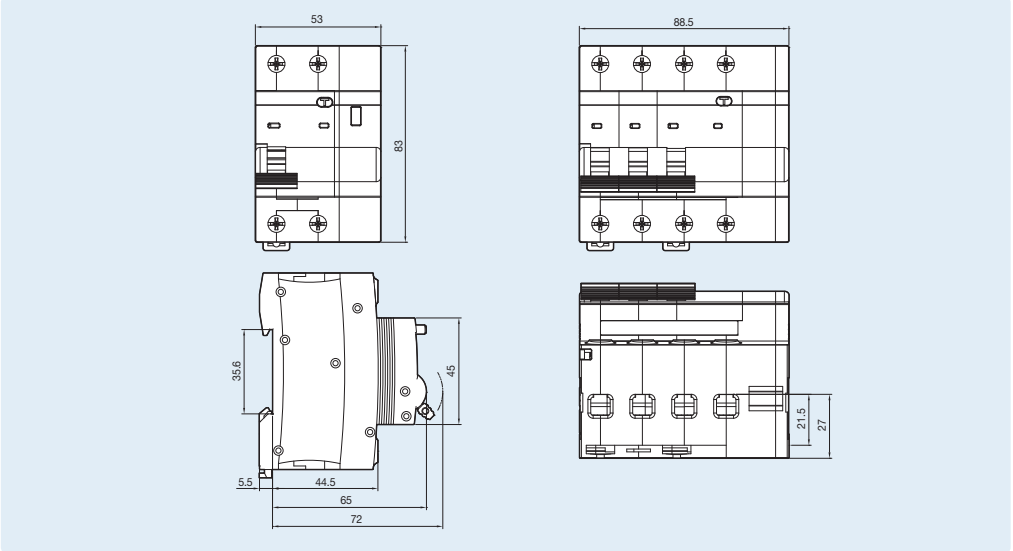
## B type RCBO

## Specifications




| Type | | LB40NB |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1, 62423 |
| | Approvals | CE, CB, UKCA, CCC |
| | Operation type | B |
| | Poles | 1P+N, 3P+N |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40 A |
| | Rated voltage (Ue) | 1P+N: 240 VAC<br>3P+N: 415 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 6 kA |
| | Rated service breaking capacity (Ics) | 6 kA |
| | Rated making capacity (Im) | 4500 A |
| | Tripping curve | B, C, D |
| | Sensitivity (mA) | 30, 100, 300 |
| | Type of trip | Magnetic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 16 $mm^2$ |
| | Tightening torque | 1.2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LB-AX |
| | AL | LB-AL |
| | SHT | LB-SHT |
| | UVT/OVT | LB-U/OVT |

## Dimension



## Order number

### LB40NB (6 – 40 A)

**B type RCBO LB40NB □P+N□□□□**



LB40NB 1P+N C40
30 mA B-type



LB40NB 3P+N C40
30mA B-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | 6 kA | B | B | 6 A | 90870001C0 | 90870009C0 | 90870017C0 | 6 | 250 | 4 |
| | | | | | 10 A | 90870002C0 | 90870010C0 | 90870018C0 | | | |
| | | | | | 13 A | 90870003C0 | 90870011C0 | 90870019C0 | | | |
| | | | | | 16 A | 90870004C0 | 90870012C0 | 90870020C0 | | | |
| | | | | | 20 A | 90870005C0 | 90870013C0 | 90870021C0 | | | |
| | | | | | 25 A | 90870006C0 | 90870014C0 | 90870022C0 | | | |
| | | | | | 32 A | 90870007C0 | 90870015C0 | 90870023C0 | | | |
| | | | | | 40 A | 90870008C0 | 90870016C0 | 90870024C0 | | | |
| | | | C | | 6 A | 90870025C0 | 90870033C0 | 90870041C0 | 6 | 250 | 4 |
| | | | | | 10 A | 90870026C0 | 90870034C0 | 90870042C0 | | | |
| | | | | | 13 A | 90870027C0 | 90870035C0 | 90870043C0 | | | |
| | | | | | 16 A | 90870028C0 | 90870036C0 | 90870044C0 | | | |
| | | | | | 20 A | 90870029C0 | 90870037C0 | 90870045C0 | | | |
| | | | | | 25 A | 90870030C0 | 90870038C0 | 90870046C0 | | | |
| | | | | | 32 A | 90870031C0 | 90870039C0 | 90870047C0 | | | |
| | | | | | 40 A | 90870032C0 | 90870040C0 | 90870048C0 | | | |
| | | | D | | 6 A | 90870049C0 | 90870057C0 | 90870065C0 | 6 | 250 | 4 |
| | | | | | 10 A | 90870050C0 | 90870058C0 | 90870066C0 | | | |
| | | | | | 13 A | 90870051C0 | 90870059C0 | 90870067C0 | | | |
| | | | | | 16 A | 90870052C0 | 90870060C0 | 90870068C0 | | | |
| | | | | | 20 A | 90870053C0 | 90870061C0 | 90870069C0 | | | |
| | | | | | 25 A | 90870054C0 | 90870062C0 | 90870070C0 | | | |
| | | | | | 32 A | 90870055C0 | 90870063C0 | 90870071C0 | | | |
| | | | | | 40 A | 90870056C0 | 90870064C0 | 90870072C0 | | | |
| 3P+N | 415 VAC | 6 kA | B | B | 6 A | 90870073C0 | 90870081C0 | 90870089C0 | 12 | 500 | 2 |
| | | | | | 10 A | 90870074C0 | 90870082C0 | 90870090C0 | | | |
| | | | | | 13 A | 90870075C0 | 90870083C0 | 90870091C0 | | | |
| | | | | | 16 A | 90870076C0 | 90870084C0 | 90870092C0 | | | |
| | | | | | 20 A | 90870077C0 | 90870085C0 | 90870093C0 | | | |
| | | | | | 25 A | 90870078C0 | 90870086C0 | 90870094C0 | | | |
| | | | | | 32 A | 90870079C0 | 90870087C0 | 90870095C0 | | | |
| | | | | | 40 A | 90870080C0 | 90870088C0 | 90870096C0 | | | |
| | | | C | | 6 A | 90870097C0 | 90870105C0 | 90870113C0 | 12 | 500 | 2 |
| | | | | | 10 A | 90870098C0 | 90870106C0 | 90870114C0 | | | |
| | | | | | 13 A | 90870099C0 | 90870107C0 | 90870115C0 | | | |
| | | | | | 16 A | 90870100C0 | 90870108C0 | 90870116C0 | | | |
| | | | | | 20 A | 90870101C0 | 90870109C0 | 90870117C0 | | | |
| | | | | | 25 A | 90870102C0 | 90870110C0 | 90870118C0 | | | |
| | | | | | 32 A | 90870103C0 | 90870111C0 | 90870119C0 | | | |
| | | | | | 40 A | 90870104C0 | 90870112C0 | 90870120C0 | | | |
| | | | D | | 6 A | 90870121C0 | 90870129C0 | 90870137C0 | 12 | 500 | 2 |
| | | | | | 10 A | 90870122C0 | 90870130C0 | 90870138C0 | | | |
| | | | | | 13 A | 90870123C0 | 90870131C0 | 90870139C0 | | | |
| | | | | | 16 A | 90870124C0 | 90870132C0 | 90870140C0 | | | |
| | | | | | 20 A | 90870125C0 | 90870133C0 | 90870141C0 | | | |
| | | | | | 25 A | 90870126C0 | 90870134C0 | 90870142C0 | | | |
| | | | | | 32 A | 90870127C0 | 90870135C0 | 90870143C0 | | | |
| | | | | | 40 A | 90870128C0 | 90870136C0 | 90870144C0 | | | |

* 1 Width module = 9 mm

# LB63N

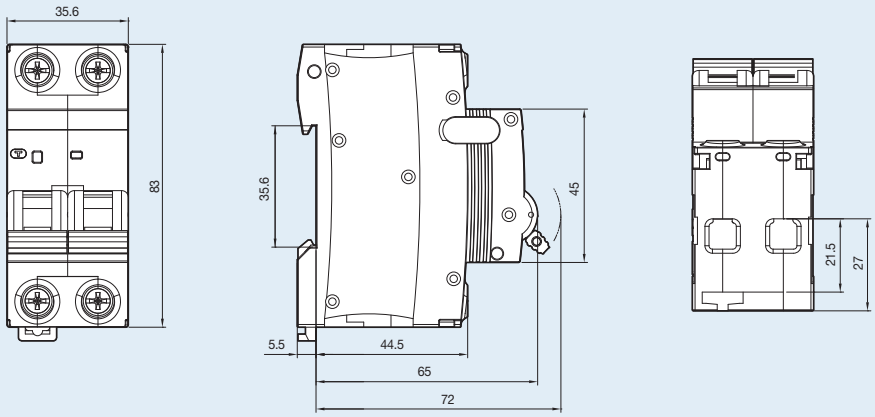
## 1P+N RCBO

## Specifications




| Type | | LB63N |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA, CCC |
| | Operation type | AC, A |
| | Poles | 1P+N |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) | 240 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 6 kA |
| | Rated service breaking capacity (Ics) | 6 kA |
| | Rated making capacity (Im) | 4500 A |
| | Tripping curve | B, C, D |
| | Sensitivity (mA) | 30, 50, 100, 300 |
| | Type of trip | Electronic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LA-AX |
| | AL | LA-AL |
| | SHT | LA-SHT |
| | UVT/OVT | LA-U/OVT |

## Dimension



## Order number

## LB63N (16 – 63 A)

### 1P+N RCBO LB63N 1P+N □□□□



LB63N 1P+N C63
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 50 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | 6 kA | B | AC | 6 A | 90900001C0 | 90900011C0 | 90900021C0 | 90900031C0 | 4 | 205 | 6 |
| | | | | | 10 A | 90900002C0 | 90900012C0 | 90900022C0 | 90900032C0 | | | |
| | | | | | 13 A | 90900003C0 | 90900013C0 | 90900023C0 | 90900033C0 | | | |
| | | | | | 16 A | 90900004C0 | 90900014C0 | 90900024C0 | 90900034C0 | | | |
| | | | | | 20 A | 90900005C0 | 90900015C0 | 90900025C0 | 90900035C0 | | | |
| | | | | | 25 A | 90900006C0 | 90900016C0 | 90900026C0 | 90900036C0 | | | |
| | | | | | 32 A | 90900007C0 | 90900017C0 | 90900027C0 | 90900037C0 | | | |
| | | | | | 40 A | 90900008C0 | 90900018C0 | 90900028C0 | 90900038C0 | | | |
| | | | | | 50 A | 90900009C0 | 90900019C0 | 90900029C0 | 90900039C0 | | | |
| | | | | | 63 A | 90900010C0 | 90900020C0 | 90900030C0 | 90900040C0 | | | |
| | | | | A | 6 A | 90900041C0 | 90900051C0 | 90900061C0 | 90900071C0 | 4 | 205 | 6 |
| | | | | | 10 A | 90900042C0 | 90900052C0 | 90900062C0 | 90900072C0 | | | |
| | | | | | 13 A | 90900043C0 | 90900053C0 | 90900063C0 | 90900073C0 | | | |
| | | | | | 16 A | 90900044C0 | 90900054C0 | 90900064C0 | 90900074C0 | | | |
| | | | | | 20 A | 90900045C0 | 90900055C0 | 90900065C0 | 90900075C0 | | | |
| | | | | | 25 A | 90900046C0 | 90900056C0 | 90900066C0 | 90900076C0 | | | |
| | | | | | 32 A | 90900047C0 | 90900057C0 | 90900067C0 | 90900077C0 | | | |
| | | | | | 40 A | 90900048C0 | 90900058C0 | 90900068C0 | 90900078C0 | | | |
| | | | | | 50 A | 90900049C0 | 90900059C0 | 90900069C0 | 90900079C0 | | | |
| | | | | | 63 A | 90900050C0 | 90900060C0 | 90900070C0 | 90900080C0 | | | |
| | 240 VAC | 6 kA | C | AC | 6 A | 90900081C0 | 90900091C0 | 90900101C0 | 90900111C0 | 4 | 205 | 6 |
| | | | | | 10 A | 90900082C0 | 90900092C0 | 90900102C0 | 90900112C0 | | | |
| | | | | | 13 A | 90900083C0 | 90900093C0 | 90900103C0 | 90900113C0 | | | |
| | | | | | 16 A | 90900084C0 | 90900094C0 | 90900104C0 | 90900114C0 | | | |
| | | | | | 20 A | 90900085C0 | 90900095C0 | 90900105C0 | 90900115C0 | | | |
| | | | | | 25 A | 90900086C0 | 90900096C0 | 90900106C0 | 90900116C0 | | | |
| | | | | | 32 A | 90900087C0 | 90900097C0 | 90900107C0 | 90900117C0 | | | |
| | | | | | 40 A | 90900088C0 | 90900098C0 | 90900108C0 | 90900118C0 | | | |
| | | | | | 50 A | 90900089C0 | 90900099C0 | 90900109C0 | 90900119C0 | | | |
| | | | | | 63 A | 90900090C0 | 90900100C0 | 90900110C0 | 90900120C0 | | | |
| | | | | A | 6 A | 90900121C0 | 90900131C0 | 90900141C0 | 90900151C0 | 4 | 205 | 6 |
| | | | | | 10 A | 90900122C0 | 90900132C0 | 90900142C0 | 90900152C0 | | | |
| | | | | | 13 A | 90900123C0 | 90900133C0 | 90900143C0 | 90900153C0 | | | |
| | | | | | 16 A | 90900124C0 | 90900134C0 | 90900144C0 | 90900154C0 | | | |
| | | | | | 20 A | 90900125C0 | 90900135C0 | 90900145C0 | 90900155C0 | | | |
| | | | | | 25 A | 90900126C0 | 90900136C0 | 90900146C0 | 90900156C0 | | | |
| | | | | | 32 A | 90900127C0 | 90900137C0 | 90900147C0 | 90900157C0 | | | |
| | | | | | 40 A | 90900128C0 | 90900138C0 | 90900148C0 | 90900158C0 | | | |
| | | | | | 50 A | 90900129C0 | 90900139C0 | 90900149C0 | 90900159C0 | | | |
| | | | | | 63 A | 90900130C0 | 90900140C0 | 90900150C0 | 90900160C0 | | | |

* 1 Width module = 9 mm

## Order number

# LB63N (16 – 63 A)

### 1P+N RCBO LB63N 1P+N □□□□



LB63N 1P+N C63
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 50 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | 6 kA | D | AC | 6 A | 90900161C0 | 90900171C0 | 90900181C0 | 90900191C0 | 4 | 205 | 6 |
| | | | | | 10 A | 90900162C0 | 90900172C0 | 90900182C0 | 90900192C0 | | | |
| | | | | | 13 A | 90900163C0 | 90900173C0 | 90900183C0 | 90900193C0 | | | |
| | | | | | 16 A | 90900164C0 | 90900174C0 | 90900184C0 | 90900194C0 | | | |
| | | | | | 20 A | 90900165C0 | 90900175C0 | 90900185C0 | 90900195C0 | | | |
| | | | | | 25 A | 90900166C0 | 90900176C0 | 90900186C0 | 90900196C0 | | | |
| | | | | | 32 A | 90900167C0 | 90900177C0 | 90900187C0 | 90900197C0 | | | |
| | | | | | 40 A | 90900168C0 | 90900178C0 | 90900188C0 | 90900198C0 | | | |
| | | | | | 50 A | 90900169C0 | 90900179C0 | 90900189C0 | 90900199C0 | | | |
| | | | | | 63 A | 90900170C0 | 90900180C0 | 90900190C0 | 90900200C0 | | | |
| | | | | A | 6 A | 90900201C0 | 90900211C0 | 90900221C0 | 90900231C0 | 4 | 205 | 6 |
| | | | | | 10 A | 90900202C0 | 90900212C0 | 90900222C0 | 90900232C0 | | | |
| | | | | | 13 A | 90900203C0 | 90900213C0 | 90900223C0 | 90900233C0 | | | |
| | | | | | 16 A | 90900204C0 | 90900214C0 | 90900224C0 | 90900234C0 | | | |
| | | | | | 20 A | 90900205C0 | 90900215C0 | 90900225C0 | 90900235C0 | | | |
| | | | | | 25 A | 90900206C0 | 90900216C0 | 90900226C0 | 90900236C0 | | | |
| | | | | | 32 A | 90900207C0 | 90900217C0 | 90900227C0 | 90900237C0 | | | |
| | | | | | 40 A | 90900208C0 | 90900218C0 | 90900228C0 | 90900238C0 | | | |
| | | | | | 50 A | 90900209C0 | 90900219C0 | 90900229C0 | 90900239C0 | | | |
| | | | | | 63 A | 90900210C0 | 90900220C0 | 90900230C0 | 90900240C0 | | | |

* 1 Width module = 9 mm

# LB63H

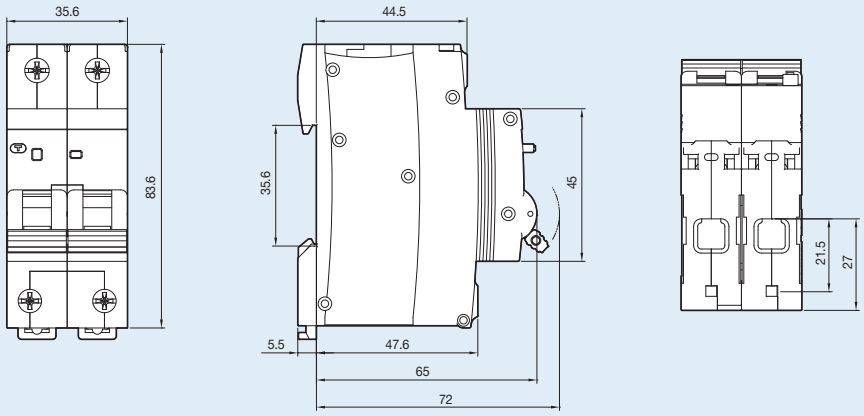
## 2 Pole RCBO

## Specifications




| Type | | LB63H |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA, CCC |
| | Operation type | AC, A |
| | Poles | 2P |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) | 240 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 10 kA |
| | Rated service breaking capacity (Ics) | 7.5 kA |
| | Rated making capacity (Im) | 6000 A |
| | Tripping curve | B, C, D |
| | Sensitivity (mA) | 30, 50, 100, 300 |
| | Type of trip | Electronic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | - |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number



LB63H 2P C63
30mA A-type

# LB63H (6 – 63 A)

## 2 pole RCBO LB63H 2P □□□□

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 50 mA | 100 mA | 300 mA | | | |
| 2P | 240 VAC | 10 kA | B | AC | 6 A | 90910001C0 | 90910011C0 | 90910021C0 | 90910031C0 | 4 | 259 | 6 |
| | | | | | 10 A | 90910002C0 | 90910012C0 | 90910022C0 | 90910032C0 | | | |
| | | | | | 13 A | 90910003C0 | 90910013C0 | 90910023C0 | 90910033C0 | | | |
| | | | | | 16 A | 90910004C0 | 90910014C0 | 90910024C0 | 90910034C0 | | | |
| | | | | | 20 A | 90910005C0 | 90910015C0 | 90910025C0 | 90910035C0 | | | |
| | | | | | 25 A | 90910006C0 | 90910016C0 | 90910026C0 | 90910036C0 | | | |
| | | | | | 32 A | 90910007C0 | 90910017C0 | 90910027C0 | 90910037C0 | | | |
| | | | | | 40 A | 90910008C0 | 90910018C0 | 90910028C0 | 90910038C0 | | | |
| | | | | | 50 A | 90910009C0 | 90910019C0 | 90910029C0 | 90910039C0 | | | |
| | | | | | 63 A | 90910010C0 | 90910020C0 | 90910030C0 | 90910040C0 | | | |
| | | | | A | 6A | 90910041C0 | 90910051C0 | 90910061C0 | 90910071C0 | 4 | 259 | 6 |
| | | | | | 10 A | 90910042C0 | 90910052C0 | 90910062C0 | 90910072C0 | | | |
| | | | | | 13 A | 90910043C0 | 90910053C0 | 90910063C0 | 90910073C0 | | | |
| | | | | | 16 A | 90910044C0 | 90910054C0 | 90910064C0 | 90910074C0 | | | |
| | | | | | 20 A | 90910045C0 | 90910055C0 | 90910065C0 | 90910075C0 | | | |
| | | | | | 25 A | 90910046C0 | 90910056C0 | 90910066C0 | 90910076C0 | | | |
| | | | | | 32 A | 90910047C0 | 90910057C0 | 90910067C0 | 90910077C0 | | | |
| | | | | | 40 A | 90910048C0 | 90910058C0 | 90910068C0 | 90910078C0 | | | |
| | | | | | 50 A | 90910049C0 | 90910059C0 | 90910069C0 | 90910079C0 | | | |
| | | | | | 63 A | 90910050C0 | 90910060C0 | 90910070C0 | 90910080C0 | | | |
| | 240 VAC | 10 kA | C | AC | 6 A | 90910081C0 | 90910091C0 | 90910101C0 | 90910111C0 | 4 | 259 | 6 |
| | | | | | 10 A | 90910082C0 | 90910092C0 | 90910102C0 | 90910112C0 | | | |
| | | | | | 13 A | 90910083C0 | 90910093C0 | 90910103C0 | 90910113C0 | | | |
| | | | | | 16 A | 90910084C0 | 90910094C0 | 90910104C0 | 90910114C0 | | | |
| | | | | | 20 A | 90910085C0 | 90910095C0 | 90910105C0 | 90910115C0 | | | |
| | | | | | 25 A | 90910086C0 | 90910096C0 | 90910106C0 | 90910116C0 | | | |
| | | | | | 32 A | 90910087C0 | 90910097C0 | 90910107C0 | 90910117C0 | | | |
| | | | | | 40 A | 90910088C0 | 90910098C0 | 90910108C0 | 90910118C0 | | | |
| | | | | | 50 A | 90910089C0 | 90910099C0 | 90910109C0 | 90910119C0 | | | |
| | | | | | 63 A | 90910090C0 | 90910100C0 | 90910110C0 | 90910120C0 | | | |
| | | | | A | 6 A | 90910121C0 | 90910131C0 | 90910141C0 | 90910151C0 | 4 | 259 | 6 |
| | | | | | 10 A | 90910122C0 | 90910132C0 | 90910142C0 | 90910152C0 | | | |
| | | | | | 13 A | 90910123C0 | 90910133C0 | 90910143C0 | 90910153C0 | | | |
| | | | | | 16 A | 90910124C0 | 90910134C0 | 90910144C0 | 90910154C0 | | | |
| | | | | | 20 A | 90910125C0 | 90910135C0 | 90910145C0 | 90910155C0 | | | |
| | | | | | 25 A | 90910126C0 | 90910136C0 | 90910146C0 | 90910156C0 | | | |
| | | | | | 32 A | 90910127C0 | 90910137C0 | 90910147C0 | 90910157C0 | | | |
| | | | | | 40 A | 90910128C0 | 90910138C0 | 90910148C0 | 90910158C0 | | | |
| | | | | | 50 A | 90910129C0 | 90910139C0 | 90910149C0 | 90910159C0 | | | |
| | | | | | 63 A | 90910130C0 | 90910140C0 | 90910150C0 | 90910160C0 | | | |

* 1 Width module = 9 mm

## Order number

### LB63H (6 – 63 A)

**2 pole RCBO LB63H 2P □□□□**



LB63H 2P C63
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 50 mA | 100 mA | 300 mA | | | |
| 2P | 240 VAC | 10 kA | D | AC | 6 A | 90910161C0 | 90910171C0 | 90910181C0 | 90910191C0 | 4 | 259 | 6 |
| | | | | | 10 A | 90910162C0 | 90910172C0 | 90910182C0 | 90910192C0 | | | |
| | | | | | 13 A | 90910163C0 | 90910173C0 | 90910183C0 | 90910193C0 | | | |
| | | | | | 16 A | 90910164C0 | 90910174C0 | 90910184C0 | 90910194C0 | | | |
| | | | | | 20 A | 90910165C0 | 90910175C0 | 90910185C0 | 90910195C0 | | | |
| | | | | | 25 A | 90910166C0 | 90910176C0 | 90910186C0 | 90910196C0 | | | |
| | | | | | 32 A | 90910167C0 | 90910177C0 | 90910187C0 | 90910197C0 | | | |
| | | | | | 40 A | 90910168C0 | 90910178C0 | 90910188C0 | 90910198C0 | | | |
| | | | | | 50 A | 90910169C0 | 90910179C0 | 90910189C0 | 90910199C0 | | | |
| | | | | | 63 A | 90910170C0 | 90910180C0 | 90910190C0 | 90910200C0 | | | |
| | | | | A | 6 A | 90910201C0 | 90910211C0 | 90910221C0 | 90910231C0 | 4 | 259 | 6 |
| | | | | | 10 A | 90910202C0 | 90910212C0 | 90910222C0 | 90910232C0 | | | |
| | | | | | 13 A | 90910203C0 | 90910213C0 | 90910223C0 | 90910233C0 | | | |
| | | | | | 16 A | 90910204C0 | 90910214C0 | 90910224C0 | 90910234C0 | | | |
| | | | | | 20 A | 90910205C0 | 90910215C0 | 90910225C0 | 90910235C0 | | | |
| | | | | | 25 A | 90910206C0 | 90910216C0 | 90910226C0 | 90910236C0 | | | |
| | | | | | 32 A | 90910207C0 | 90910217C0 | 90910227C0 | 90910237C0 | | | |
| | | | | | 40 A | 90910208C0 | 90910218C0 | 90910228C0 | 90910238C0 | | | |
| | | | | | 50 A | 90910209C0 | 90910219C0 | 90910229C0 | 90910239C0 | | | |
| | | | | | 63 A | 90910210C0 | 90910220C0 | 90910230C0 | 90910240C0 | | | |

* 1 Width module = 9 mm

# LB63H4

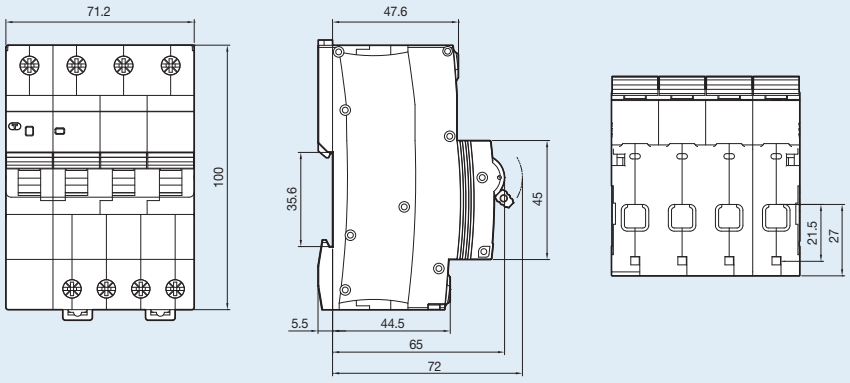
## 4 Pole RCBO

## Specifications



| Type | | LB63H4 |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA, CCC |
| | Operation type | AC, A |
| | Poles | 4P |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) | 415 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 10 kA |
| | Rated service breaking capacity (Ics) | 7.5 kA |
| | Rated making capacity (Im) | 6000 A |
| | Tripping curve | B, C, D |
| | Sensitivity (mA) | 30, 50, 100, 300 |
| | Type of trip | Electronic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | - |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number

### LB63H4 (6 – 63 A)

4 pole RCBO LB63H4 4P □□□□



LB63H4 4P C63
30 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number 30 mA | 50 mA | 100 mA | 300 mA | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4P | 415 VAC | 10 kA | B | AC | 6 A | 90920001C0 | 90920011C0 | 90920021C0 | 90920031C0 | 8 | 567 | 3 |
| | | | | | 10 A | 90920002C0 | 90920012C0 | 90920022C0 | 90920032C0 | | | |
| | | | | | 13 A | 90920003C0 | 90920013C0 | 90920023C0 | 90920033C0 | | | |
| | | | | | 16 A | 90920004C0 | 90920014C0 | 90920024C0 | 90920034C0 | | | |
| | | | | | 20 A | 90920005C0 | 90920015C0 | 90920025C0 | 90920035C0 | | | |
| | | | | | 25 A | 90920006C0 | 90920016C0 | 90920026C0 | 90920036C0 | | | |
| | | | | | 32 A | 90920007C0 | 90920017C0 | 90920027C0 | 90920037C0 | | | |
| | | | | | 40 A | 90920008C0 | 90920018C0 | 90920028C0 | 90920038C0 | | | |
| | | | | | 50 A | 90920009C0 | 90920019C0 | 90920029C0 | 90920039C0 | | | |
| | | | | | 63 A | 90920010C0 | 90920020C0 | 90920030C0 | 90920040C0 | | | |
| | | | | A | 6 A | 90920041C0 | 90920051C0 | 90920061C0 | 90920071C0 | 8 | 567 | 3 |
| | | | | | 10 A | 90920042C0 | 90920052C0 | 90920062C0 | 90920072C0 | | | |
| | | | | | 13 A | 90920043C0 | 90920053C0 | 90920063C0 | 90920073C0 | | | |
| | | | | | 16 A | 90920044C0 | 90920054C0 | 90920064C0 | 90920074C0 | | | |
| | | | | | 20 A | 90920045C0 | 90920055C0 | 90920065C0 | 90920075C0 | | | |
| | | | | | 25 A | 90920046C0 | 90920056C0 | 90920066C0 | 90920076C0 | | | |
| | | | | | 32 A | 90920047C0 | 90920057C0 | 90920067C0 | 90920077C0 | | | |
| | | | | | 40 A | 90920048C0 | 90920058C0 | 90920068C0 | 90920078C0 | | | |
| | | | | | 50 A | 90920049C0 | 90920059C0 | 90920069C0 | 90920079C0 | | | |
| | | | | | 63 A | 90920050C0 | 90920060C0 | 90920070C0 | 90920080C0 | | | |
| | 415 VAC | 10 kA | C | AC | 6 A | 90920081C0 | 90920091C0 | 90920101C0 | 90920111C0 | 8 | 567 | 3 |
| | | | | | 10 A | 90920082C0 | 90920092C0 | 90920102C0 | 90920112C0 | | | |
| | | | | | 13 A | 90920083C0 | 90920093C0 | 90920103C0 | 90920113C0 | | | |
| | | | | | 16 A | 90920084C0 | 90920094C0 | 90920104C0 | 90920114C0 | | | |
| | | | | | 20 A | 90920085C0 | 90920095C0 | 90920105C0 | 90920115C0 | | | |
| | | | | | 25 A | 90920086C0 | 90920096C0 | 90920106C0 | 90920116C0 | | | |
| | | | | | 32 A | 90920087C0 | 90920097C0 | 90920107C0 | 90920117C0 | | | |
| | | | | | 40 A | 90920088C0 | 90920098C0 | 90920108C0 | 90920118C0 | | | |
| | | | | | 50 A | 90920089C0 | 90920099C0 | 90920109C0 | 90920119C0 | | | |
| | | | | | 63 A | 90920090C0 | 90920100C0 | 90920110C0 | 90920120C0 | | | |
| | | | | A | 6 A | 90920121C0 | 90920131C0 | 90920141C0 | 90920151C0 | 8 | 567 | 3 |
| | | | | | 10 A | 90920122C0 | 90920132C0 | 90920142C0 | 90920152C0 | | | |
| | | | | | 13 A | 90920123C0 | 90920133C0 | 90920143C0 | 90920153C0 | | | |
| | | | | | 16 A | 90920124C0 | 90920134C0 | 90920144C0 | 90920154C0 | | | |
| | | | | | 20 A | 90920125C0 | 90920135C0 | 90920145C0 | 90920155C0 | | | |
| | | | | | 25 A | 90920126C0 | 90920136C0 | 90920146C0 | 90920156C0 | | | |
| | | | | | 32 A | 90920127C0 | 90920137C0 | 90920147C0 | 90920157C0 | | | |
| | | | | | 40 A | 90920128C0 | 90920138C0 | 90920148C0 | 90920158C0 | | | |
| | | | | | 50 A | 90920129C0 | 90920139C0 | 90920149C0 | 90920159C0 | | | |
| | | | | | 63 A | 90920130C0 | 90920140C0 | 90920150C0 | 90920160C0 | | | |

* 1 Width module = 9 mm

## Order number



LB63H4 4P C63
30 mA A-type

### LB63H4 (6 – 63 A)

4 pole RCBO LB63H4 4P □□□□

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 30 mA | 50 mA | 100 mA | 300 mA | | | |
| 4P | 415 VAC | 10 kA | D | AC | 6 A | 90920161C0 | 90920171C0 | 90920181C0 | 90920191C0 | 8 | 567 | 3 |
| | | | | | 10 A | 90920162C0 | 90920172C0 | 90920182C0 | 90920192C0 | | | |
| | | | | | 13 A | 90920163C0 | 90920173C0 | 90920183C0 | 90920193C0 | | | |
| | | | | | 16 A | 90920164C0 | 90920174C0 | 90920184C0 | 90920194C0 | | | |
| | | | | | 20 A | 90920165C0 | 90920175C0 | 90920185C0 | 90920195C0 | | | |
| | | | | | 25 A | 90920166C0 | 90920176C0 | 90920186C0 | 90920196C0 | | | |
| | | | | | 32 A | 90920167C0 | 90920177C0 | 90920187C0 | 90920197C0 | | | |
| | | | | | 40 A | 90920168C0 | 90920178C0 | 90920188C0 | 90920198C0 | | | |
| | | | | | 50 A | 90920169C0 | 90920179C0 | 90920189C0 | 90920199C0 | | | |
| | | | | | 63 A | 90920170C0 | 90920180C0 | 90920190C0 | 90920200C0 | | | |
| | | | | A | 6 A | 90920201C0 | 90920211C0 | 90920221C0 | 90920231C0 | 8 | 567 | 3 |
| | | | | | 10 A | 90920202C0 | 90920212C0 | 90920222C0 | 90920232C0 | | | |
| | | | | | 13 A | 90920203C0 | 90920213C0 | 90920223C0 | 90920233C0 | | | |
| | | | | | 16 A | 90920204C0 | 90920214C0 | 90920224C0 | 90920234C0 | | | |
| | | | | | 20 A | 90920205C0 | 90920215C0 | 90920225C0 | 90920235C0 | | | |
| | | | | | 25 A | 90920206C0 | 90920216C0 | 90920226C0 | 90920236C0 | | | |
| | | | | | 32 A | 90920207C0 | 90920217C0 | 90920227C0 | 90920237C0 | | | |
| | | | | | 40 A | 90920208C0 | 90920218C0 | 90920228C0 | 90920238C0 | | | |
| | | | | | 50 A | 90920209C0 | 90920219C0 | 90920229C0 | 90920239C0 | | | |
| | | | | | 63 A | 90920210C0 | 90920220C0 | 90920230C0 | 90920240C0 | | | |

* 1 Width module = 9 mm

# LB50HW

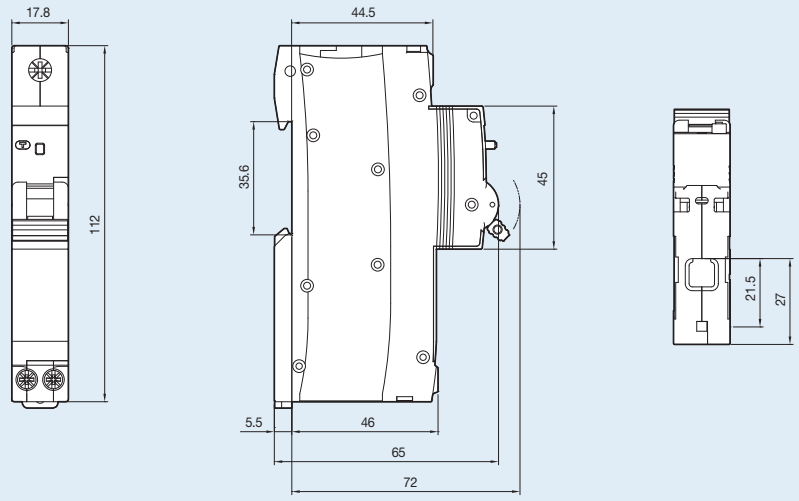
## 1P+N RCBO with connection wire

## Specifications




| Type | | LB50HW |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA |
| | Operation type | AC, A |
| | Poles | 1P+N |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40, 50 A |
| | Rated voltage (Ue) | 230/240 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 10 kA |
| | Rated service breaking capacity (Ics) | 7.5 kA |
| | Rated making capacity (Im) | 6000 A |
| | Tripping curve | B, C, D |
| | Sensitivity (mA) | 10, 30, 100, 300 |
| | Type of trip | Electronic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | Line: 2 N.m, Load: 1.2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | - |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number

# LB50HW (6 – 50 A)

### 1P+N RCBO with connection wire LB50HW 1P+N □□□□



LB50HW 1P+N C50
10 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number 10 mA | 30 mA | 100 mA | 300 mA | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1P+N | 230/240 VAC | 10 kA | B | AC | 6 A | 90890001C0 | 90890010C0 | 90890019C0 | 90890028C0 | 2 | 234 | 1 |
| | | | | | 10 A | 90890002C0 | 90890011C0 | 90890020C0 | 90890029C0 | | | |
| | | | | | 13 A | 90890003C0 | 90890012C0 | 90890021C0 | 90890030C0 | | | |
| | | | | | 16 A | 90890004C0 | 90890013C0 | 90890022C0 | 90890031C0 | | | |
| | | | | | 20 A | 90890005C0 | 90890014C0 | 90890023C0 | 90890032C0 | | | |
| | | | | | 25 A | 90890006C0 | 90890015C0 | 90890024C0 | 90890033C0 | | | |
| | | | | | 32 A | 90890007C0 | 90890016C0 | 90890025C0 | 90890034C0 | | | |
| | | | | | 40 A | 90890008C0 | 90890017C0 | 90890026C0 | 90890035C0 | | | |
| | | | | | 50 A | 90890009C0 | 90890018C0 | 90890027C0 | 90890036C0 | | | |
| | | | | A | 6 A | 90890037C0 | 90890046C0 | 90890055C0 | 90890064C0 | 2 | 234 | 1 |
| | | | | | 10 A | 90890038C0 | 90890047C0 | 90890056C0 | 90890065C0 | | | |
| | | | | | 13 A | 90890039C0 | 90890048C0 | 90890057C0 | 90890066C0 | | | |
| | | | | | 16 A | 90890040C0 | 90890049C0 | 90890058C0 | 90890067C0 | | | |
| | | | | | 20 A | 90890041C0 | 90890050C0 | 90890059C0 | 90890068C0 | | | |
| | | | | | 25 A | 90890042C0 | 90890051C0 | 90890060C0 | 90890069C0 | | | |
| | | | | | 32 A | 90890043C0 | 90890052C0 | 90890061C0 | 90890070C0 | | | |
| | | | | | 40 A | 90890044C0 | 90890053C0 | 90890062C0 | 90890071C0 | | | |
| | | | | | 50 A | 90890045C0 | 90890054C0 | 90890063C0 | 90890072C0 | | | |
| | 230/240 VAC | 10 kA | C | AC | 6 A | 90890073C0 | 90890082C0 | 90890091C0 | 90890100C0 | 2 | 234 | 1 |
| | | | | | 10 A | 90890074C0 | 90890083C0 | 90890092C0 | 90890101C0 | | | |
| | | | | | 13 A | 90890075C0 | 90890084C0 | 90890093C0 | 90890102C0 | | | |
| | | | | | 16 A | 90890076C0 | 90890085C0 | 90890094C0 | 90890103C0 | | | |
| | | | | | 20 A | 90890077C0 | 90890086C0 | 90890095C0 | 90890104C0 | | | |
| | | | | | 25 A | 90890078C0 | 90890087C0 | 90890096C0 | 90890105C0 | | | |
| | | | | | 32 A | 90890079C0 | 90890088C0 | 90890097C0 | 90890106C0 | | | |
| | | | | | 40 A | 90890080C0 | 90890089C0 | 90890098C0 | 90890107C0 | | | |
| | | | | | 50 A | 90890081C0 | 90890090C0 | 90890099C0 | 90890108C0 | | | |
| | | | | A | 6 A | 90890109C0 | 90890118C0 | 90890127C0 | 90890136C0 | 2 | 234 | 1 |
| | | | | | 10 A | 90890110C0 | 90890119C0 | 90890128C0 | 90890137C0 | | | |
| | | | | | 13 A | 90890111C0 | 90890120C0 | 90890129C0 | 90890138C0 | | | |
| | | | | | 16 A | 90890112C0 | 90890121C0 | 90890130C0 | 90890139C0 | | | |
| | | | | | 20 A | 90890113C0 | 90890122C0 | 90890131C0 | 90890140C0 | | | |
| | | | | | 25 A | 90890114C0 | 90890123C0 | 90890132C0 | 90890141C0 | | | |
| | | | | | 32 A | 90890115C0 | 90890124C0 | 90890133C0 | 90890142C0 | | | |
| | | | | | 40 A | 90890116C0 | 90890125C0 | 90890134C0 | 90890143C0 | | | |
| | | | | | 50 A | 90890117C0 | 90890126C0 | 90890135C0 | 90890144C0 | | | |

* 1 Width module = 9 mm

## Order number

### LB50HW (6 – 50 A)

**1P+N RCBO with connection wire LB50HW 1P+N □□□□**



LB50HW 1P+N C50
10 mA A-type

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 mA | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 230/240 VAC | 10 kA | D | AC | 6 A | 90890145C0 | 90890154C0 | 90890163C0 | 90890172C0 | 2 | 234 | 1 |
| | | | | | 10 A | 90890146C0 | 90890155C0 | 90890164C0 | 90890173C0 | | | |
| | | | | | 13 A | 90890147C0 | 90890156C0 | 90890165C0 | 90890174C0 | | | |
| | | | | | 16 A | 90890148C0 | 90890157C0 | 90890166C0 | 90890175C0 | | | |
| | | | | | 20 A | 90890149C0 | 90890158C0 | 90890167C0 | 90890176C0 | | | |
| | | | | | 25 A | 90890150C0 | 90890159C0 | 90890168C0 | 90890177C0 | | | |
| | | | | | 32 A | 90890151C0 | 90890160C0 | 90890169C0 | 90890178C0 | | | |
| | | | | | 40 A | 90890152C0 | 90890161C0 | 90890170C0 | 90890179C0 | | | |
| | | | | | 50 A | 90890153C0 | 90890162C0 | 90890171C0 | 90890180C0 | | | |
| | | | | A | 6 A | 90890181C0 | 90890190C0 | 90890199C0 | 90890208C0 | 2 | 234 | 1 |
| | | | | | 10 A | 90890182C0 | 90890191C0 | 90890200C0 | 90890209C0 | | | |
| | | | | | 13 A | 90890183C0 | 90890192C0 | 90890201C0 | 90890210C0 | | | |
| | | | | | 16 A | 90890184C0 | 90890193C0 | 90890202C0 | 90890211C0 | | | |
| | | | | | 20 A | 90890185C0 | 90890194C0 | 90890203C0 | 90890212C0 | | | |
| | | | | | 25 A | 90890186C0 | 90890195C0 | 90890204C0 | 90890213C0 | | | |
| | | | | | 32 A | 90890187C0 | 90890196C0 | 90890205C0 | 90890214C0 | | | |
| | | | | | 40 A | 90890188C0 | 90890197C0 | 90890206C0 | 90890215C0 | | | |
| | | | | | 50 A | 90890189C0 | 90890198C0 | 90890207C0 | 90890216C0 | | | |

* 1 Width module = 9 mm

# LB63HW

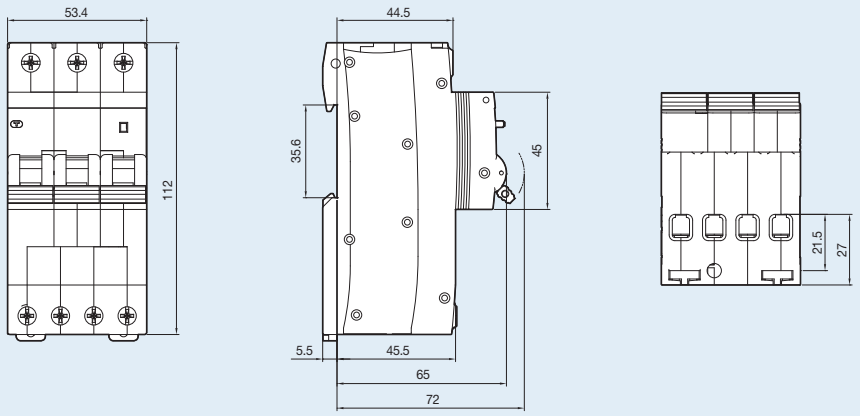
## 3P+N RCBO with connection wire

## Specifications




| Type | | LB63HW |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61009-1 |
| | Approvals | CE, CB, UKCA |
| | Operation type | AC, A |
| | Poles | 3P+N |
| | Rated current (In) | 6, 10, 13, 16, 20, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) | 400/415 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | 3 (Only for B/C curve) |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | 10 kA |
| | Rated service breaking capacity (Ics) | 7.5 kA |
| | Rated making capacity (Im) | 6000 A |
| | Tripping curve | B, C, D |
| | Sensitivity (mA) | 10, 30, 100, 300 |
| | Type of trip | Electronic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | - |
| | AL | - |
| | SHT | - |
| | UVT/OVT | - |

## Dimension



## Order number

### LB63HW (6 – 63 A)

3P+N RCBO with connection wire LB63HW 3P+N □□□□



LB63HW 3P+N C63

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number 10 mA | 30 mA | 100 mA | 300 mA | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3P+N | 400/415 VAC | 10 kA | B | AC | 6 A | 90930001C0 | 90930011C0 | 90930021C0 | 90930031C0 | 6 | 513 | 1 |
| | | | | | 10 A | 90930002C0 | 90930012C0 | 90930022C0 | 90930032C0 | | | |
| | | | | | 13 A | 90930003C0 | 90930013C0 | 90930023C0 | 90930033C0 | | | |
| | | | | | 16 A | 90930004C0 | 90930014C0 | 90930024C0 | 90930034C0 | | | |
| | | | | | 20 A | 90930005C0 | 90930015C0 | 90930025C0 | 90930035C0 | | | |
| | | | | | 25 A | 90930006C0 | 90930016C0 | 90930026C0 | 90930036C0 | | | |
| | | | | | 32 A | 90930007C0 | 90930017C0 | 90930027C0 | 90930037C0 | | | |
| | | | | | 40 A | 90930008C0 | 90930018C0 | 90930028C0 | 90930038C0 | | | |
| | | | | | 50 A | 90930009C0 | 90930019C0 | 90930029C0 | 90930039C0 | | | |
| | | | | | 63 A | 90930010C0 | 90930020C0 | 90930030C0 | 90930040C0 | | | |
| | | | | A | 6 A | 90930041C0 | 90930051C0 | 90930061C0 | 90930071C0 | 6 | 513 | 1 |
| | | | | | 10 A | 90930042C0 | 90930052C0 | 90930062C0 | 90930072C0 | | | |
| | | | | | 13 A | 90930043C0 | 90930053C0 | 90930063C0 | 90930073C0 | | | |
| | | | | | 16 A | 90930044C0 | 90930054C0 | 90930064C0 | 90930074C0 | | | |
| | | | | | 20 A | 90930045C0 | 90930055C0 | 90930065C0 | 90930075C0 | | | |
| | | | | | 25 A | 90930046C0 | 90930056C0 | 90930066C0 | 90930076C0 | | | |
| | | | | | 32 A | 90930047C0 | 90930057C0 | 90930067C0 | 90930077C0 | | | |
| | | | | | 40 A | 90930048C0 | 90930058C0 | 90930068C0 | 90930078C0 | | | |
| | | | | | 50 A | 90930049C0 | 90930059C0 | 90930069C0 | 90930079C0 | | | |
| | | | | | 63 A | 90930050C0 | 90930060C0 | 90930070C0 | 90930080C0 | | | |
| | 400/415 VAC | 10 kA | C | AC | 6 A | 90930081C0 | 90930091C0 | 90930101C0 | 90930111C0 | 6 | 513 | 1 |
| | | | | | 10 A | 90930082C0 | 90930092C0 | 90930102C0 | 90930112C0 | | | |
| | | | | | 13 A | 90930083C0 | 90930093C0 | 90930103C0 | 90930113C0 | | | |
| | | | | | 16 A | 90930084C0 | 90930094C0 | 90930104C0 | 90930114C0 | | | |
| | | | | | 20 A | 90930085C0 | 90930095C0 | 90930105C0 | 90930115C0 | | | |
| | | | | | 25 A | 90930086C0 | 90930096C0 | 90930106C0 | 90930116C0 | | | |
| | | | | | 32 A | 90930087C0 | 90930097C0 | 90930107C0 | 90930117C0 | | | |
| | | | | | 40 A | 90930088C0 | 90930098C0 | 90930108C0 | 90930118C0 | | | |
| | | | | | 50 A | 90930089C0 | 90930099C0 | 90930109C0 | 90930119C0 | | | |
| | | | | | 63 A | 90930090C0 | 90930100C0 | 90930110C0 | 90930120C0 | | | |
| | | | | A | 6 A | 90930121C0 | 90930131C0 | 90930141C0 | 90930151C0 | 6 | 513 | 1 |
| | | | | | 10 A | 90930122C0 | 90930132C0 | 90930142C0 | 90930152C0 | | | |
| | | | | | 13 A | 90930123C0 | 90930133C0 | 90930143C0 | 90930153C0 | | | |
| | | | | | 16 A | 90930124C0 | 90930134C0 | 90930144C0 | 90930154C0 | | | |
| | | | | | 20 A | 90930125C0 | 90930135C0 | 90930145C0 | 90930155C0 | | | |
| | | | | | 25 A | 90930126C0 | 90930136C0 | 90930146C0 | 90930156C0 | | | |
| | | | | | 32 A | 90930127C0 | 90930137C0 | 90930147C0 | 90930157C0 | | | |
| | | | | | 40 A | 90930128C0 | 90930138C0 | 90930148C0 | 90930158C0 | | | |
| | | | | | 50 A | 90930129C0 | 90930139C0 | 90930149C0 | 90930159C0 | | | |
| | | | | | 63 A | 90930130C0 | 90930140C0 | 90930150C0 | 90930160C0 | | | |

* 1 Width module = 9 mm

## Order number

# LB63HW (6 – 63 A)

### 3P+N RCBO with connection wire LB63HW 3P+N □□□□



LB63HW 3P+N C63

| Type | Ue (V) | Breaking Capacity | Trip Curve | Operation Type | In (A) | Order Number | | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 10 mA | 30 mA | 100 mA | 300 mA | | | |
| 3P+N | 400/ 415 VAC | 10 kA | D | AC | 6 A | 90930161C0 | 90930171C0 | 90930181C0 | 90930191C0 | 6 | 513 | 1 |
| | | | | | 10 A | 90930162C0 | 90930172C0 | 90930182C0 | 90930192C0 | | | |
| | | | | | 13 A | 90930163C0 | 90930173C0 | 90930183C0 | 90930193C0 | | | |
| | | | | | 16 A | 90930164C0 | 90930174C0 | 90930184C0 | 90930194C0 | | | |
| | | | | | 20 A | 90930165C0 | 90930175C0 | 90930185C0 | 90930195C0 | | | |
| | | | | | 25 A | 90930166C0 | 90930176C0 | 90930186C0 | 90930196C0 | | | |
| | | | | | 32 A | 90930167C0 | 90930177C0 | 90930187C0 | 90930197C0 | | | |
| | | | | | 40 A | 90930168C0 | 90930178C0 | 90930188C0 | 90930198C0 | | | |
| | | | | | 50 A | 90930169C0 | 90930179C0 | 90930189C0 | 90930199C0 | | | |
| | | | | | 63 A | 90930170C0 | 90930180C0 | 90930190C0 | 90930200C0 | | | |
| | | | | A | 6 A | 90930201C0 | 90930211C0 | 90930221C0 | 90930231C0 | 6 | 513 | 1 |
| | | | | | 10 A | 90930202C0 | 90930212C0 | 90930222C0 | 90930232C0 | | | |
| | | | | | 13 A | 90930203C0 | 90930213C0 | 90930223C0 | 90930233C0 | | | |
| | | | | | 16 A | 90930204C0 | 90930214C0 | 90930224C0 | 90930234C0 | | | |
| | | | | | 20 A | 90930205C0 | 90930215C0 | 90930225C0 | 90930235C0 | | | |
| | | | | | 25 A | 90930206C0 | 90930216C0 | 90930226C0 | 90930236C0 | | | |
| | | | | | 32 A | 90930207C0 | 90930217C0 | 90930227C0 | 90930237C0 | | | |
| | | | | | 40 A | 90930208C0 | 90930218C0 | 90930228C0 | 90930238C0 | | | |
| | | | | | 50 A | 90930209C0 | 90930219C0 | 90930229C0 | 90930239C0 | | | |
| | | | | | 63 A | 90930210C0 | 90930220C0 | 90930230C0 | 90930240C0 | | | |

* 1 Width module = 9 mm

# LC63N/LC63NR

## 63 A RCCB

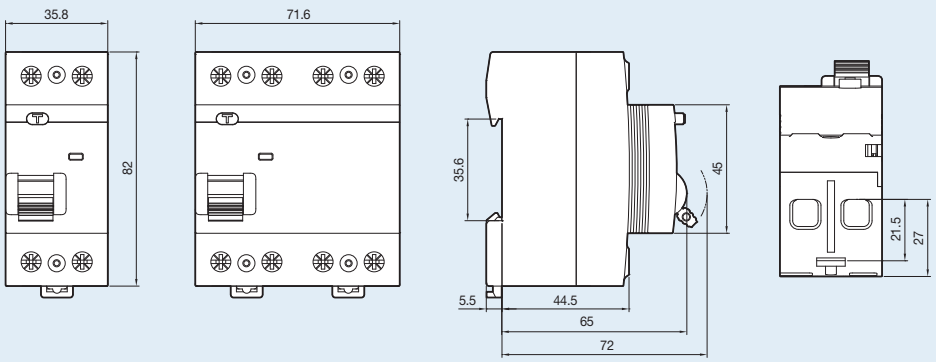
## Specifications




| Type | | LC63N * | LC63NR * |
|---|---|---|---|
| Electrical Feature | Standards | IEC/EN 61008-1 | IEC/EN 61008-1 |
| | Approvals | CE, CB, UKCA, CCC | CE, CB, UKCA, CCC |
| | Operation type | AC, A | AC, A |
| | Poles | 1P+N, 3P+N | 1P+N, 3P+N |
| | Rated current (In) | 16, 25, 32, 40, 50, 63 A | 16, 25, 32, 40, 50, 63 A |
| | Rated voltage (Ue) | 1P+N: 240 VAC/3P+N: 415 VAC | 1P+N: 240 VAC/3P+N: 415 VAC |
| | Insulation voltage (Ui) | 500 V | 500 V |
| | Frequency | 50/60 Hz | 50/60 Hz |
| | Energy limiting class | - | - |
| | Rated impulse withstand voltage (Uimp) | 4 kV | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | - | - |
| | Rated conditional short-circuit current (Inc) | 6 kA | 6 kA |
| | Rated making capacity (Im) | 500 A for In=16, 25, 32, 40, 50 A<br>630 A for In=63 A | 500 A for In=16, 25, 32, 40, 50 A<br>630 A for In=63 A |
| | Tripping curve | - | - |
| | Sensitivity (mA) | 30, 100, 300 | 30, 100, 300 |
| | Type of trip | Magnetic | Magnetic |
| | Residual current off-time | ≤ 0.1 sec. | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 | 4000 |
| | Mechanical durability | 10000 | 10000 |
| | Protection degree | IP20 | IP20 |
| | Operating temperature | -25···60 °C | -25···60 °C |
| | Storage temperature | -40···80 °C | -40···80 °C |
| Installation | Type of terminal | Lug ternimal | Lug ternimal |
| | Terminal capacity | Cable up to 25 $mm^2$ | Cable up to 25 $mm^2$ |
| | Tightening torque | 2 N.m | 2 N.m |
| | Mounting | 35 mm Din Rail | 35 mm Din Rail |
| Accessories | AX | LC-AX | LC-AX |
| | AL | LC-AL | LC-AL |
| | SHT | LC-SHT | LC-SHT |
| | UVT/OVT | LC-U/OVT | LC-U/OVT |

* LC63N's neutral is on the left of RCCB and LC63NR's neutral is on the right of RCCB

## Dimension



## Order number

### LC63N (16 – 63 A)

**63 A RCCB LC63N □P+N □□□**



LC63N 1P+N 63
30mA A-type



LC63N 3P+N 63
30mA A-type

| Type | Ue (V) | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 mA | 100 mA | 30 0mA | | | |
| 1P+N | 240 VAC | AC | 16 A | 90820001C0 | 90820007C0 | 90820013C0 | 4 | 196 | 6 |
| | | | 25 A | 90820002C0 | 90820008C0 | 90820014C0 | | | |
| | | | 32 A | 90820003C0 | 90820009C0 | 90820015C0 | | | |
| | | | 40 A | 90820004C0 | 90820010C0 | 90820016C0 | | | |
| | | | 50 A | 90820005C0 | 90820011C0 | 90820017C0 | | | |
| | | | 63 A | 90820006C0 | 90820012C0 | 90820018C0 | | | |
| | 240 VAC | A | 16 A | 90820019C0 | 90820025C0 | 90820031C0 | 4 | 196 | 6 |
| | | | 25 A | 90820020C0 | 90820026C0 | 90820032C0 | | | |
| | | | 32 A | 90820021C0 | 90820027C0 | 90820033C0 | | | |
| | | | 40 A | 90820022C0 | 90820028C0 | 90820034C0 | | | |
| | | | 50 A | 90820023C0 | 90820029C0 | 90820035C0 | | | |
| | | | 63 A | 90820024C0 | 90820030C0 | 90820036C0 | | | |
| 3P+N | 415 VAC | AC | 16 A | 90820037C0 | 90820043C0 | 90820049C0 | 8 | 323 | 3 |
| | | | 25 A | 90820038C0 | 90820044C0 | 90820050C0 | | | |
| | | | 32 A | 90820039C0 | 90820045C0 | 90820051C0 | | | |
| | | | 40 A | 90820040C0 | 90820046C0 | 90820052C0 | | | |
| | | | 50 A | 90820041C0 | 90820047C0 | 90820053C0 | | | |
| | | | 63 A | 90820042C0 | 90820048C0 | 90820054C0 | | | |
| | 415 VAC | A | 16 A | 90820055C0 | 90820061C0 | 90820067C0 | 8 | 323 | 3 |
| | | | 25 A | 90820056C0 | 90820062C0 | 90820068C0 | | | |
| | | | 32 A | 90820057C0 | 90820063C0 | 90820069C0 | | | |
| | | | 40 A | 90820058C0 | 90820064C0 | 90820070C0 | | | |
| | | | 50 A | 90820059C0 | 90820065C0 | 90820071C0 | | | |
| | | | 63 A | 90820060C0 | 90820066C0 | 90820072C0 | | | |

* 1 Width module = 9 mm

## Order number

### LC63NR (16 – 63 A)

63 A RCCB LC63NR □P+N □□□



LC63NR 1P+N 63
30 mA A-type



LC63NR 3P+N 63
30 mA A-type

| Type | Ue (V) | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | AC | 16 A | 90820073C0 | 90820079C0 | 90820085C0 | 4 | 196 | 6 |
| | | | 25 A | 90820074C0 | 90820080C0 | 90820086C0 | | | |
| | | | 32 A | 90820075C0 | 90820081C0 | 90820087C0 | | | |
| | | | 40 A | 90820076C0 | 90820082C0 | 90820088C0 | | | |
| | | | 50 A | 90820077C0 | 90820083C0 | 90820089C0 | | | |
| | | | 63 A | 90820078C0 | 90820084C0 | 90820090C0 | | | |
| | 240 VAC | A | 16 A | 90820091C0 | 90820097C0 | 90820103C0 | 4 | 196 | 6 |
| | | | 25 A | 90820092C0 | 90820098C0 | 90820104C0 | | | |
| | | | 32 A | 90820093C0 | 90820099C0 | 90820105C0 | | | |
| | | | 40 A | 90820094C0 | 90820100C0 | 90820106C0 | | | |
| | | | 50 A | 90820095C0 | 90820101C0 | 90820107C0 | | | |
| | | | 63 A | 90820096C0 | 90820102C0 | 90820108C0 | | | |
| 3P+N | 415 VAC | AC | 16 A | 90820109C0 | 90820115C0 | 90820121C0 | 8 | 323 | 3 |
| | | | 25 A | 90820110C0 | 90820116C0 | 90820122C0 | | | |
| | | | 32 A | 90820111C0 | 90820117C0 | 90820123C0 | | | |
| | | | 40 A | 90820112C0 | 90820118C0 | 90820124C0 | | | |
| | | | 50 A | 90820113C0 | 90820119C0 | 90820125C0 | | | |
| | | | 63 A | 90820114C0 | 90820120C0 | 90820126C0 | | | |
| | 415 VAC | A | 16 A | 90820127C0 | 90820133C0 | 90820139C0 | 8 | 323 | 3 |
| | | | 25 A | 90820128C0 | 90820134C0 | 90820140C0 | | | |
| | | | 32 A | 90820129C0 | 90820135C0 | 90820141C0 | | | |
| | | | 40 A | 90820130C0 | 90820136C0 | 90820142C0 | | | |
| | | | 50 A | 90820131C0 | 90820137C0 | 90820143C0 | | | |
| | | | 63 A | 90820132C0 | 90820138C0 | 90820144C0 | | | |

* 1 Width module = 9 mm

# LC100H/LC100HR

## 100 A RCCB

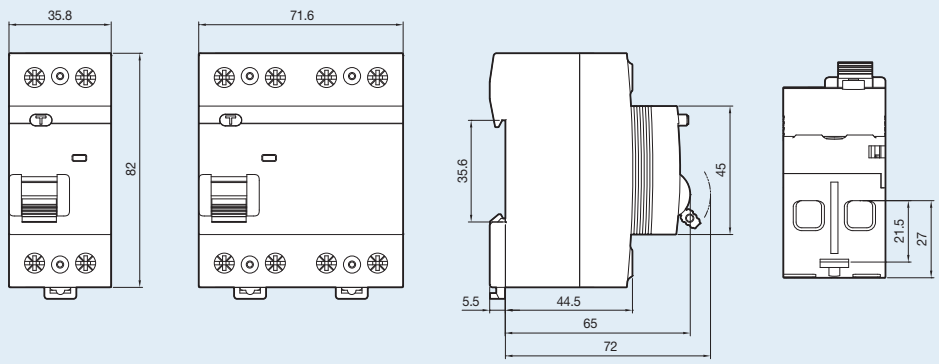
## Specifications




| Type | | LC100H * | LC100HR * |
|---|---|---|---|
| Electrical Feature | Standards | IEC/EN 61008-1 | IEC/EN 61008-1 |
| | Approvals | CE, CB, UKCA, CCC | CE, CB, UKCA, CCC |
| | Operation type | AC, A, AC(S), A(S) ** | AC, A, AC(S), A(S) ** |
| | Poles | 1P+N, 3P+N | 1P+N, 3P+N |
| | Rated current (In) | 16, 25, 32, 40, 50, 63, 80, 100 A | 16, 25, 32, 40, 50, 63, 80, 100 A |
| | Rated voltage (Ue) | 1P+N: 240 VAC/3P+N: 415 VAC | 1P+N: 240 VAC/3P+N: 415 VAC |
| | Insulation voltage (Ui) | 500 V | 500 V |
| | Frequency | 50/60 Hz | 50/60 Hz |
| | Energy limiting class | - | - |
| | Rated impulse withstand voltage (Uimp) | 4 kV | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | - | - |
| | Rated conditional short-circuit current (Inc) | 10 kA | 10 kA |
| | Rated making capacity (Im) | 500 A for In=16, 25, 32, 40, 50 A<br>630 A for In=63 A<br>800 A for In=80 A<br>1000 A for In=100 A | 500 A for In=16, 25, 32, 40, 50 A<br>630 A for In=63 A<br>800 A for In=80 A<br>1000 A for In=100 A |
| | Tripping curve | - | - |
| | Sensitivity (mA) | 30, 100, 300 | 30, 100, 300 |
| | Type of trip | Magnetic | Magnetic |
| | Residual current off-time | ≤ 0.1 sec. | ≤0.1 sec. |
| Mechanical Feature | Electrical durability | 4000 | 4000 |
| | Mechanical durability | 10000 | 10000 |
| | Protection degree | IP20 | IP20 |
| | Operating temperature | -25⋯60 °C | -25⋯60 °C |
| | Storage temperature | -40⋯80 °C | -40⋯80 °C |
| Installation | Type of terminal | Lug ternimal | Lug ternimal |
| | Terminal capacity | Cable up to 50 $mm^2$ | Cable up to 50 $mm^2$ |
| | Tightening torque | 3.5 N.m | 3.5 N.m |
| | Mounting | 35 mm Din Rail | 35 mm Din Rail |
| Accessories | AX | LC-AX | LC-AX |
| | AL | LC-AL | LC-AL |
| | SHT | LC-SHT | LC-SHT |
| | UVT/OVT | LC-U/OVT | LC-U/OVT |

* LC100H's neutral is on the left of RCCB and LC100HR's neutral is on the right of RCCB
** AC (S), A (S) is Earth-leakage protection time delayed product
AC (S), A (S) is just available for 40 – 100 A rated current and 100/300 mA rated sensitivity

## Dimension



## Order number

### LC100H (16 – 100 A)

100 A RCCB LC100H □P+N □□□



LC100H 1P+N 100
30 mA A-type



LC100H 3P+N 100
30 mA A-type

| Type | Ue (V) | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | AC | 16 A | 90840001C0 | 90840009C0 | 90840017C0 | 4 | 225 | 6 |
| | | | 25 A | 90840002C0 | 90840010C0 | 90840018C0 | | | |
| | | | 32 A | 90840003C0 | 90840011C0 | 90840019C0 | | | |
| | | | 40 A | 90840004C0 | 90840012C0 | 90840020C0 | | | |
| | | | 50 A | 90840005C0 | 90840013C0 | 90840021C0 | | | |
| | | | 63 A | 90840006C0 | 90840014C0 | 90840022C0 | | | |
| | | | 80 A | 90840007C0 | 90840015C0 | 90840023C0 | | | |
| | | | 100 A | 90840008C0 | 90840016C0 | 90840024C0 | | | |
| | | AC (S) | 40 A | - | 90840025C0 | 90840029C0 | 4 | 225 | 6 |
| | | | 63 A | - | 90840026C0 | 90840030C0 | | | |
| | | | 80 A | - | 90840027C0 | 90840031C0 | | | |
| | | | 100 A | - | 90840028C0 | 90840032C0 | | | |
| | | A | 16 A | 90840033C0 | 90840041C0 | 90840049C0 | 4 | 225 | 6 |
| | | | 25 A | 90840034C0 | 90840042C0 | 90840050C0 | | | |
| | | | 32 A | 90840035C0 | 90840043C0 | 90840051C0 | | | |
| | | | 40 A | 90840036C0 | 90840044C0 | 90840052C0 | | | |
| | | | 50 A | 90840037C0 | 90840045C0 | 90840053C0 | | | |
| | | | 63 A | 90840038C0 | 90840046C0 | 90840054C0 | | | |
| | | | 80 A | 90840039C0 | 90840047C0 | 90840055C0 | | | |
| | | | 100 A | 90840040C0 | 90840048C0 | 90840056C0 | | | |
| | | A (S) | 40 A | - | 90840057C0 | 90840061C0 | 4 | 225 | 6 |
| | | | 63 A | - | 90840058C0 | 90840062C0 | | | |
| | | | 80 A | - | 90840059C0 | 90840063C0 | | | |
| | | | 100 A | - | 90840060C0 | 90840064C0 | | | |
| 3P+N | 415 VAC | AC | 16 A | 90840065C0 | 90840073C0 | 90840081C0 | 8 | 380 | 3 |
| | | | 25 A | 90840066C0 | 90840074C0 | 90840082C0 | | | |
| | | | 32 A | 90840067C0 | 90840075C0 | 90840083C0 | | | |
| | | | 40 A | 90840068C0 | 90840076C0 | 90840084C0 | | | |
| | | | 50 A | 90840069C0 | 90840077C0 | 90840085C0 | | | |
| | | | 63 A | 90840070C0 | 90840078C0 | 90840086C0 | | | |
| | | | 80 A | 90840071C0 | 90840079C0 | 90840087C0 | | | |
| | | | 100 A | 90840072C0 | 90840080C0 | 90840088C0 | | | |
| | | AC (S) | 40 A | - | 90840089C0 | 90840093C0 | 8 | 380 | 3 |
| | | | 63 A | - | 90840090C0 | 90840094C0 | | | |
| | | | 80 A | - | 90840091C0 | 90840095C0 | | | |
| | | | 100 A | - | 90840092C0 | 90840096C0 | | | |
| | | A | 16 A | 90840097C0 | 90840105C0 | 90840113C0 | 8 | 380 | 3 |
| | | | 25 A | 90840098C0 | 90840106C0 | 90840114C0 | | | |
| | | | 32 A | 90840099C0 | 90840107C0 | 90840115C0 | | | |
| | | | 40 A | 90840100C0 | 90840108C0 | 90840116C0 | | | |
| | | | 50 A | 90840101C0 | 90840109C0 | 90840117C0 | | | |
| | | | 63 A | 90840102C0 | 90840110C0 | 90840118C0 | | | |
| | | | 80 A | 90840103C0 | 90840111C0 | 90840119C0 | | | |
| | | | 100 A | 90840104C0 | 90840112C0 | 90840120C0 | | | |
| | | A (S) | 40 A | - | 90840121C0 | 90840125C0 | 8 | 380 | 3 |
| | | | 63 A | - | 90840122C0 | 90840126C0 | | | |
| | | | 80 A | - | 90840123C0 | 90840127C0 | | | |
| | | | 100 A | - | 90840124C0 | 90840128C0 | | | |

* 1 Width module = 9 mm

## Order number



LC100HR 1P+N 100
30 mA A-type



LC100HR 3P+N 100
30 mA A-type

### LC100HR (16 – 100 A)

100 A RCCB LC100HR □P+N □□□

| Type | Ue (V) | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | AC | 16 A | 90840129C0 | 90840137C0 | 90840145C0 | 4 | 225 | 6 |
| | | | 25 A | 90840130C0 | 90840138C0 | 90840146C0 | | | |
| | | | 32 A | 90840131C0 | 90840139C0 | 90840147C0 | | | |
| | | | 40 A | 90840132C0 | 90840140C0 | 90840148C0 | | | |
| | | | 50 A | 90840133C0 | 90840141C0 | 90840149C0 | | | |
| | | | 63 A | 90840134C0 | 90840142C0 | 90840150C0 | | | |
| | | | 80 A | 90840135C0 | 90840143C0 | 90840151C0 | | | |
| | | | 100 A | 90840136C0 | 90840144C0 | 90840152C0 | | | |
| | | AC (S) | 40 A | - | 90840153C0 | 90840157C0 | 4 | 225 | 6 |
| | | | 63 A | - | 90840154C0 | 90840158C0 | | | |
| | | | 80 A | - | 90840155C0 | 90840159C0 | | | |
| | | | 100 A | - | 90840156C0 | 90840160C0 | | | |
| | | A | 16 A | 90840161C0 | 90840169C0 | 90840177C0 | 4 | 225 | 6 |
| | | | 25 A | 90840162C0 | 90840170C0 | 90840178C0 | | | |
| | | | 32 A | 90840163C0 | 90840171C0 | 90840179C0 | | | |
| | | | 40 A | 90840164C0 | 90840172C0 | 90840180C0 | | | |
| | | | 50 A | 90840165C0 | 90840173C0 | 90840181C0 | | | |
| | | | 63 A | 90840166C0 | 90840174C0 | 90840182C0 | | | |
| | | | 80 A | 90840167C0 | 90840175C0 | 90840183C0 | | | |
| | | | 100 A | 90840168C0 | 90840176C0 | 90840184C0 | | | |
| | | A (S) | 40 A | - | 90840185C0 | 90840189C0 | 4 | 225 | 6 |
| | | | 63 A | - | 90840186C0 | 90840190C0 | | | |
| | | | 80 A | - | 90840187C0 | 90840191C0 | | | |
| | | | 100 A | - | 90840188C0 | 90840192C0 | | | |
| 3P+N | 415 VAC | AC | 16 A | 90840193C0 | 90840201C0 | 90840209C0 | 8 | 380 | 3 |
| | | | 25 A | 90840194C0 | 90840202C0 | 90840210C0 | | | |
| | | | 32 A | 90840195C0 | 90840203C0 | 90840211C0 | | | |
| | | | 40 A | 90840196C0 | 90840204C0 | 90840212C0 | | | |
| | | | 50 A | 90840197C0 | 90840205C0 | 90840213C0 | | | |
| | | | 63 A | 90840198C0 | 90840206C0 | 90840214C0 | | | |
| | | | 80 A | 90840199C0 | 90840207C0 | 90840215C0 | | | |
| | | | 100 A | 90840200C0 | 90840208C0 | 90840216C0 | | | |
| | | AC (S) | 40 A | - | 90840217C0 | 90840221C0 | 8 | 380 | 3 |
| | | | 63 A | - | 90840218C0 | 90840222C0 | | | |
| | | | 80 A | - | 90840219C0 | 90840223C0 | | | |
| | | | 100 A | - | 90840220C0 | 90840224C0 | | | |
| | | A | 16 A | 90840225C0 | 90840233C0 | 90840241C0 | 8 | 380 | 3 |
| | | | 25 A | 90840226C0 | 90840234C0 | 90840242C0 | | | |
| | | | 32 A | 90840227C0 | 90840235C0 | 90840243C0 | | | |
| | | | 40 A | 90840228C0 | 90840236C0 | 90840244C0 | | | |
| | | | 50 A | 90840229C0 | 90840237C0 | 90840245C0 | | | |
| | | | 63 A | 90840230C0 | 90840238C0 | 90840246C0 | | | |
| | | | 80 A | 90840231C0 | 90840239C0 | 90840247C0 | | | |
| | | | 100 A | 90840232C0 | 90840240C0 | 90840248C0 | | | |
| | | A (S) | 40 A | - | 90840249C0 | 90840253C0 | 8 | 380 | 3 |
| | | | 63 A | - | 90840250C0 | 90840254C0 | | | |
| | | | 80 A | - | 90840251C0 | 90840255C0 | | | |
| | | | 100 A | - | 90840252C0 | 90840256C0 | | | |

* 1 Width module = 9 mm

# LC80HB

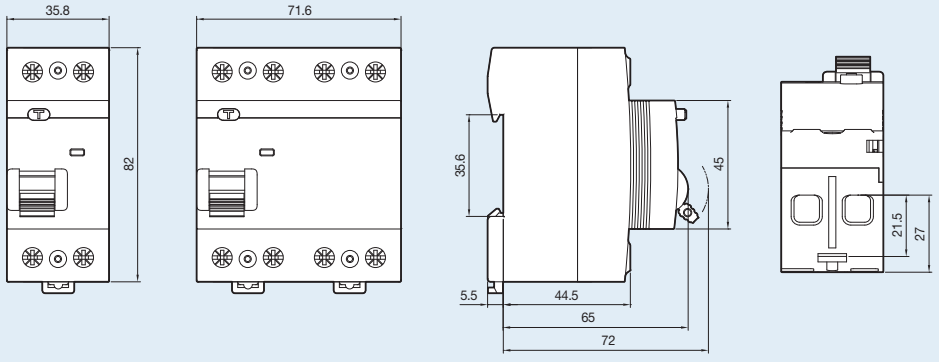
## B type RCCB

## Specifications




| Type | | LC80HB |
|---|---|---|
| Electrical Feature | Standards | IEC/EN 61008-1, 62423 |
| | Approvals | CE, CB, UKCA, CCC |
| | Operation type | B |
| | Poles | 1P+N, 3P+N |
| | Rated current (In) | 16, 25, 32, 40, 50, 63, 80 A |
| | Rated voltage (Ue) | 1P+N: 240 VAC/3P+N: 415 VAC |
| | Insulation voltage (Ui) | 500 V |
| | Frequency | 50/60 Hz |
| | Energy limiting class | - |
| | Rated impulse withstand voltage (Uimp) | 4 kV |
| | Rated short-circuit breaking capacity (Icn) | - |
| | Rated conditional short-circuit current (Inc) | 10 kA |
| | Rated making capacity (Im) | 500 A for In=16, 25, 32, 40, 50 A<br>630 A for In=63 A<br>800 A for In=80 A |
| | Tripping curve | - |
| | Sensitivity (mA) | 30, 100, 300 |
| | Type of trip | Magnetic |
| | Residual current off-time | ≤ 0.1 sec. |
| Mechanical Feature | Electrical durability | 2000 |
| | Mechanical durability | 10000 |
| | Protection degree | IP20 |
| | Operating temperature | -25···60 °C |
| | Storage temperature | -40···80 °C |
| Installation | Type of terminal | Lug ternimal |
| | Terminal capacity | Cable up to 50 $mm^2$ |
| | Tightening torque | 3.5 N.m |
| | Mounting | 35 mm Din Rail |
| Accessories | AX | LC-AX |
| | AL | LC-AL |
| | SHT | LC-SHT |
| | UVT/OVT | LC-U/OVT |

## Dimension



## Order number

### LC80HB (16 – 80 A)

**B type RCCB LC80HB □P+N □□□**



LC80HB 1P+N 80
30 mA B-type



LC80HB 3P+N 80
30 mA B-type

| Type | Ue (V) | Operation Type | In (A) | Order Number | | | Width module | Weight (g) | Packing (pcs.) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 mA | 100 mA | 300 mA | | | |
| 1P+N | 240 VAC | B | 16 A | 90830001C0 | 90830008C0 | 90830015C0 | 4 | 193 | 6 |
| | | | 25 A | 90830002C0 | 90830009C0 | 90830016C0 | | | |
| | | | 32 A | 90830003C0 | 90830010C0 | 90830017C0 | | | |
| | | | 40 A | 90830004C0 | 90830011C0 | 90830018C0 | | | |
| | | | 50 A | 90830005C0 | 90830012C0 | 90830019C0 | | | |
| | | | 63 A | 90830006C0 | 90830013C0 | 90830020C0 | | | |
| | | | 80 A | 90830007C0 | 90830014C0 | 90830021C0 | | | |
| 3P+N | 415 VAC | B | 16 A | 90830022C0 | 90830029C0 | 90830036C0 | 8 | 357 | 3 |
| | | | 25 A | 90830023C0 | 90830030C0 | 90830037C0 | | | |
| | | | 32 A | 90830024C0 | 90830031C0 | 90830038C0 | | | |
| | | | 40 A | 90830025C0 | 90830032C0 | 90830039C0 | | | |
| | | | 50 A | 90830026C0 | 90830033C0 | 90830040C0 | | | |
| | | | 63 A | 90830027C0 | 90830034C0 | 90830041C0 | | | |
| | | | 80 A | 90830028C0 | 90830035C0 | 90830042C0 | | | |

* 1 Width module = 9 mm

# Accessories

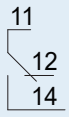
## Auxiliary switch (AX)



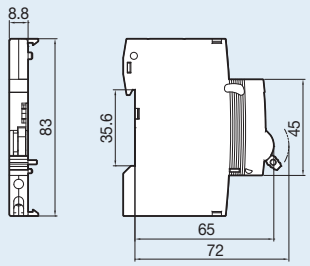

### LA-AX/LB-AX/LC-AX

| Type | | LA-AX | LB-AX | LC-AX |
|---|---|---|---|---|
| Electrical Feature | Contact function | 1CO (Changeover) | 1CO (Changeover) | 1CO (Changeover) |
| | Rated operation current (AC 12) | 3A at 415 VAC<br>6A at 240 VAC | 3A at 415 VAC<br>6A at 240 VAC | 3A at 415 VAC<br>6A at 240 VAC |
| | Rated operation current (DC 12) | 1A at 130 VDC<br>2A at 48 VDC<br>6A at 24 VDC | 1A at 130 VDC<br>2A at 48 VDC<br>6A at 24 VDC | 1A at 130 VDC<br>2A at 48 VDC<br>6A at 24 VDC |
| | Standards | IEC/EN 60947-5-1 | IEC/EN 60947-5-1 | IEC/EN 60947-5-1 |
| Installation | Terminal type | Lug type | Lug type | Lug type |
| | Terminal capacity | up to 2.5 $mm^2$ | up to 2.5 $mm^2$ | up to 2.5 $mm^2$ |
| | Width | 9 mm | 9 mm | 9 mm |

### Circuit diagram




### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-AX | 90810001C0 | 32 | 15 |
| LB-AX | 90810011C0 | | |
| LC-AX | 90810006C0 | | |

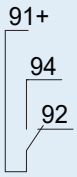
## Alarm switch (AL)



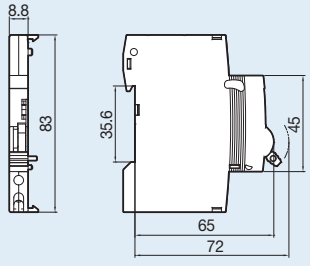

### LA-AL/LB-AL/LC-AL

| Type | | LA-AL | LB-AL | LC-AL |
|---|---|---|---|---|
| Electrical Feature | Contact function | 1CO (Changeover) | 1CO (Changeover) | 1CO (Changeover) |
| | Rated operation current(AC12) | 3 A at 415 VAC<br>6 A at 240 VAC | 3 A at 415 VAC<br>6 A at 240 VAC | 3 A at 415 VAC<br>6 A at 240 VAC |
| | Rated operation current(DC12) | 1 A at 130 VDC<br>2 A at 48 VDC<br>6 A at 24 VDC | 1 A at 130 VDC<br>2 A at 48 VDC<br>6 A at 24 VDC | 1 A at 130 VDC<br>2 A at 48 VDC<br>6 A at 24 VDC |
| | Standards | IEC/EN 60947-5-1 | IEC/EN 60947-5-1 | IEC/EN 60947-5-1 |
| Installation | Terminal type | Lug type | Lug type | Lug type |
| | Terminal capacity | up to 2.5 $mm^2$ | up to 2.5 $mm^2$ | up to 2.5 $mm^2$ |
| | Width | 9 mm | 9 mm | 9 mm |

### Circuit diagram




### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-AL | 90810002C0 | 32 | 15 |
| LB-AL | 90810012C0 | | |
| LC-AL | 90810007C0 | | |

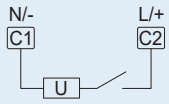
# Shunt trip (SHT)



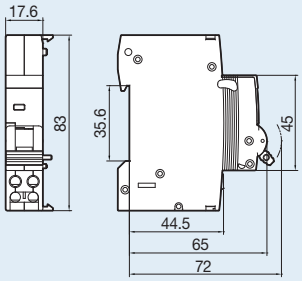

## LA-SHT/LB-SHT/LC-SHT

| Type | | LA-SHT | | LB-SHT | | LC-SHT | |
|---|---|---|---|---|---|---|---|
| Electrical Feature | Rated voltage (AC) | 110 – 415 VAC | 24 VAC | 110 – 415 VAC | 24 VAC | 110 – 415 VAC | 24 VAC |
| | Rated voltage (DC) | 110 – 130 VDC | 24 VDC | 110 – 130 VDC | 24 VDC | 110 – 130 VDC | 24 VDC |
| | Operation Voltage Range | 70 – 110 %*Ue | | 70 – 110 %*Ue | | 70 – 110 %*Ue | |
| | Standards | IEC/EN 60947-2 | | IEC/EN 60947-2 | | IEC/EN 60947-2 | |
| Installation | Terminal type | Lug type | | Lug type | | Lug type | |
| | Terminal capacity | up to 2.5 $mm^2$ | | up to 2.5 $mm^2$ | | up to 2.5 $mm^2$ | |
| | Width | 18 mm | | 18 mm | | 18 mm | |

### Circuit diagram




### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-SHT AC/DC 12 V | 90810106C0 | 60 | 10 |
| LA-SHT AC/DC 24 V | 90810003C0 | | |
| LA-SHT AC 110 V – 415 V | 90810004C0 | | |
| LB-SHT AC/DC 12 V | 90810107C0 | | |
| LB-SHT AC/DC 24 V | 90810013C0 | | |
| LB-SHT AC 110 V – 415 V | 90810014C0 | | |
| LC-SHT AC/DC 12 V | 90810108C0 | | |
| LC-SHT AC/DC 24 V | 90810008C0 | | |
| LC-SHT AC 110 V – 415 V | 90810009C0 | | |

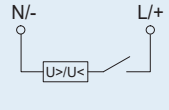
# Under voltage trip/Over voltage trip (U/OVT)



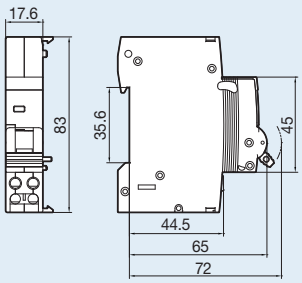

## LA-U/OVT LB-U/OVT LC-U/OVT

| Type | | LA-U/OVT | LB-U/OVT | LC-U/OVT |
|---|---|---|---|---|
| Electrical Feature | Rated voltage (AC) | 230 VAC | 230 VAC | 230 VAC |
| | Over voltage tripping range | AC 280 V ± 5 % | AC 280 V ± 5 % | AC 280 V ± 5 % |
| | Under voltage tripping range | AC 170 V ± 5 % | AC 170 V ± 5 % | AC 170 V ± 5 % |
| | Standards | IEC/EN 60947-2 | IEC/EN 60947-2 | IEC/EN 60947-2 |
| Installation | Terminal type | Lug type | Lug type | Lug type |
| | Terminal capacity | up to 2.5 $mm^2$ | up to 2.5 $mm^2$ | up to 2.5 $mm^2$ |
| | Width | 18 mm | 18 mm | 18 mm |

### Circuit diagram




### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-U/OVT Un=230VAC | 90810005C0 | 66 | 10 |
| LB-U/OVT Un=230VAC | 90810015C0 | | |
| LC-U/OVT Un=230VAC | 90810010C0 | | |

# Accessories

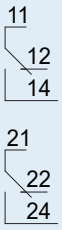
## AX+AX



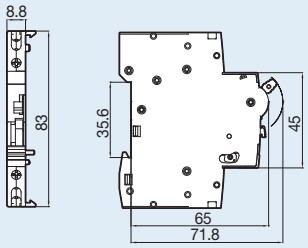

### LA-AXX

| Type | | LA-AXX |
|---|---|---|
| Electrial Feature | Contactfunction | 2N0/NC |
| | Rated operation current (AC12) | 3A at 415 VAC<br>6A at 240 VAC |
| | Rated operation current (DC12) | 1A at 130 VDC<br>2A at 48 VDC<br>6A at 24 VDC |
| | Standards | IEC/EN 60947-5-1 |
| Installation | Terminal type | Lug type |
| | Terminal capacity | up to 2.5mm$^2$ |
| | Width | 9 mm |

### Circuit diagram




### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-AXX | 90810094C0 | 40 | 10 |

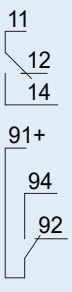
## AX+AL



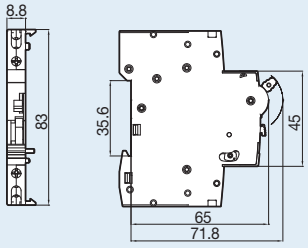

### LA-AXL

| Type | | LA-AXL |
|---|---|---|
| Electrial Feature | Contactfunction | 2N0/NC |
| | Rated operation current (AC12) | 3A at 415 VAC<br>6A at 240 VAC |
| | Rated operation current (DC12) | 1A at 130 VDC<br>2A at 48 VDC<br>6A at 24 VDC |
| | Standards | IEC/EN 60947-5-1 |
| Installation | Terminal type | Lug type |
| | Terminal capacity | up to2.5mm$^2$ |
| | Width | 9 mm |

### Circuit diagram




### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-AXL | 90810095C0 | 40 | 10 |

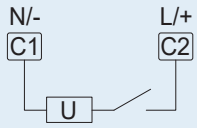
# SHT+AX



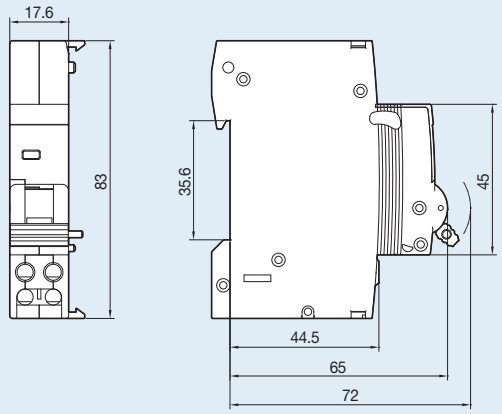

## LA-SHTX

| Type | | LA-SHTX | | |
|---|---|---|---|---|
| Electrial Feature | Rated voltage (AC) | 110~415 VAC | 24 VAC | 12 VAC |
| | Rated voltage (DC) | 110~130 VDC | 24 VDC | 12 VDC |
| | Operation voltage Range | 70~110%*Ue | | |
| | Standards | IEC/EN 60947-2, IEC/EN 60947-5-1 | | |
| Installation | Terminal type | Lug type | | |
| | Terminal capacity | up to 2.5mm$^2$ | | |
| | Width | 18mm | | |

## Circuit diagram




## Dimension




## Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-SHTX AC/DC12V | 90810091C0 | | |
| LA-SHTX AC/DC24V | 90810092C0 | 60 | 10 |
| LA-SHTX AC110V~415V | 90810093C0 | | |

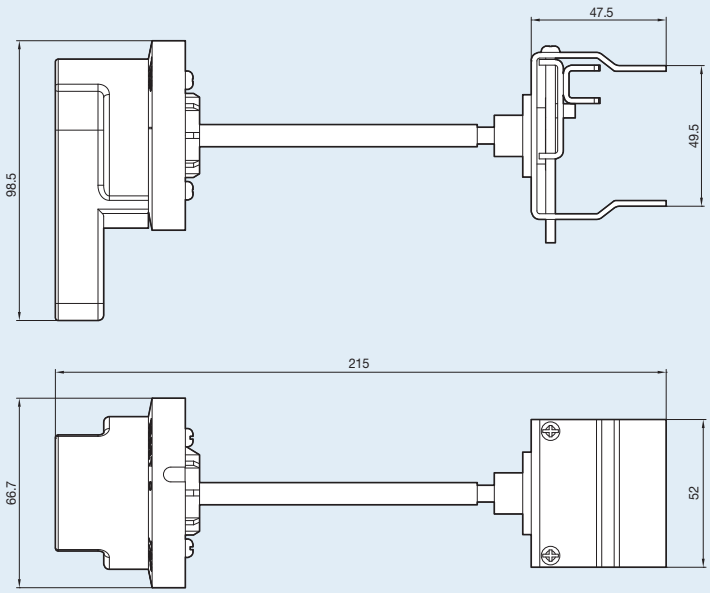
# E Handle




## LA-E Handle

| Type | Extended Handle |
|---|---|
| Instructions | Front mounting<br>The handle base is installed on the equipment.<br>The handle is installed on the front of the distribution box.<br>When the handle is in the "O" position, it can be locked with a padlock. |
| Applicable Models | LA63E/N/H/L, LA63Nd/Hd, LA63HDC 2P-4P |

## Dimension




## Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-E Handle | 90810102C0 | 450 | 2 |

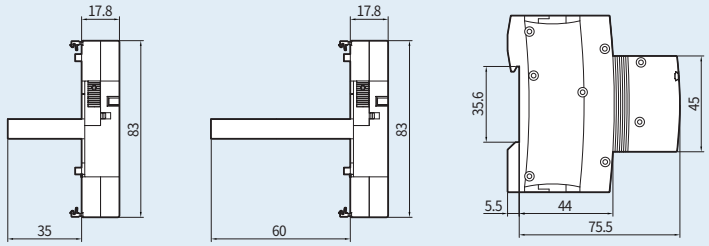
# Motor Operator




## LA-MOP

| Type | | LA-MOP |
|---|---|---|
| Rated Operation Voltage(Un) | | AC/DC 110 – 230 V, DC 12 V, DC 24 V |
| Position of Installation | | Right side of the MCB |
| IP Degree | | IP20 |
| Closing time | | ≤ 1 s |
| Opening time | | ≤ 1 s |
| Durability(electricalor mechanical) | | 20000 |
| Installation | | Mounting on 35 mm DIN rail |
| Compatibility product | LA | LA63E, LA63N, LA63H, LA63L, LA63HDC, LA100H, LA63Nd, LA63Hd, LA125H |
| | LB | LB40N, LB40H, LB40NB, LB63N |
| | LC | LC63N, LC63NR, LC100H, LC100HR |

## Dimension

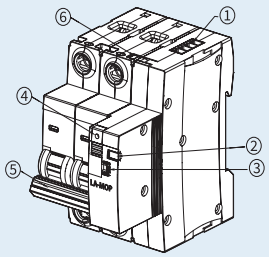



Short-Handle Long-Handle

## Order number

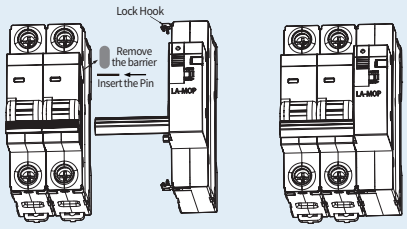
| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-MOP Short-Handle AC/DC 110 V – 230 V | 90810047C0 | 126 | 1 |
| LA-MOP Short-Handle DC 12 V | 90810049C0 | 126 | 1 |
| LA-MOP Short-Handle DC 24 V | 90810050C0 | 126 | 1 |
| LA-MOP Long-Handle AC/DC 110 V – 230 V | 90810076C0 | 131 | 1 |
| LA-MOP Long-Handle DC 12 V | 90810077C0 | 131 | 1 |
| LA-MOP Long-Handle DC 24 V | 90810078C0 | 131 | 1 |

## Structure and Wiring diagram




**Structural diagram**
① Control power input terminal
② Power indicator lamp
③ Manual/Automatic selection switch
④ Lock-off hole (Ø≤2.0 mm)
⑤ Handle
⑥ Lock hook

## Assembly method




**Assembly method**
1. Remove the barrier on the right side of the MCB and insert the Pin (MOP Spare part).
2. Engage the MOP handle and the MCB handle while the product OFF.
3. After completely assembling the MOP and MCB, fix it with the lock hook of the MOP.

| Model | Assemble MCB/Accessory |
|---|---|
| LA-MOP short-Handle | MCB 2P, MCB 2P+Accessory, MCB 3P |
| LA-MOP long-Handle | MCB 3P+Accessory, MCB 4P, MCB 4P+Accessory |

* Accessory: AX, AL, SHT, U/OVT

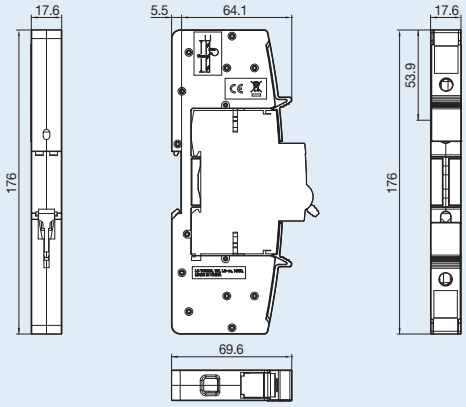
## Plug-in Base



### LA-PB

| Type | LA-PB |
|---|---|
| Suitability | ≤ 63 A (63 A Max) |
| Pole | 1P |
| Connection | Tunnel terminals for cable up to 35 mm² (rigid), 25 mm² (flexible) |
| Standards | A base to be fastened on a rail (or panel) |
| | 2 blades to be fastened in the device's terminal |
| Compatibility product | L-Series MCB: 63 A Max |
| | LA63N, LA63H, LA63L |
| | LA63Nd, LA63Hd |

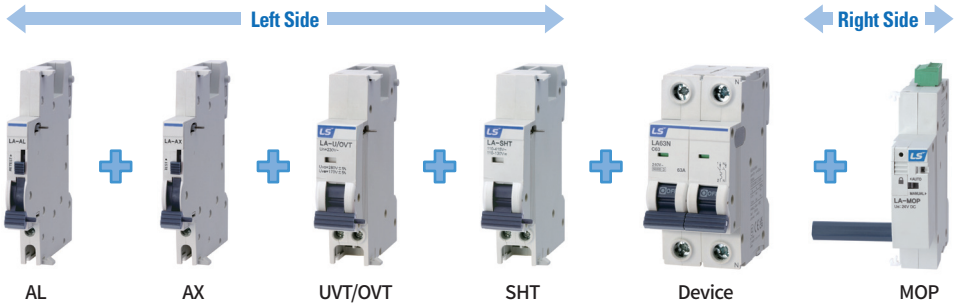
### Dimension




### Order number

| Product | Order number | Weight (g) | Packing (pcs.) |
|---|---|---|---|
| LA-PB | 90810075C0 | 485 | 4 |

## Accessories assembly method

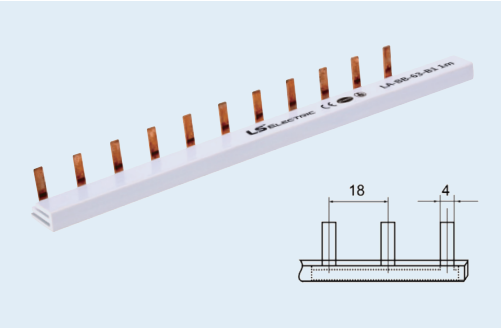



| Left Side | | Device | Right side |
|---|---|---|---|
| ② AX, AL | ① SHT, U/OVT | | MOP |
| Max 2 (2AX, AX+AL, 2AL) | Max 2 | MCB LA□□ | 1 |
| | | RCBO LB□□ | - |
| Just 1 accessory assemble | | RCCB LC□□ | - |

※ When ① SHT, U/OVT and ② AX, AL are mixed use, SHT, UVT/OVT should be assembled on MCB first, and then AX, AL should be assembled
※ Only 2P – 4P of LA63E/LA63N/LA63H/LA63L/LA63HDC/LA100H/LA63Nd/LA63Hd can be assembled MOP.

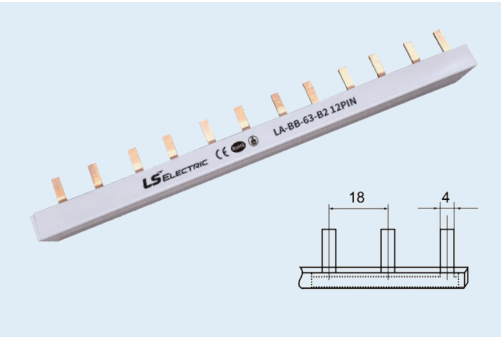
# Busbar System

## Pin type (for 1m length)




| Phase | Product | Current | Length | Cross Section | Order number |
|---|---|---|---|---|---|
| 1 Phase | LA-BB-63-B1 1 m | 63 A | 1 m | 10 mm² | 90810016C0 |
| 2 Phase | LA-BB-63-B2 1 m | | | | 90810017C0 |
| 3 Phase | LA-BB-63-B3 1 m | | | | 90810018C0 |
| 4 Phase | LA-BB-63-B4 1 m | | | | 90810019C0 |
| 1 Phase | LA-BB-100-B1 1 m | 100 A | 1 m | 22 mm² | 90810020C0 |
| 2 Phase | LA-BB-100-B2 1 m | | | | 90810021C0 |
| 3 Phase | LA-BB-100-B3 1 m | | | | 90810022C0 |
| 4 Phase | LA-BB-100-B4 1 m | | | | 90810023C0 |

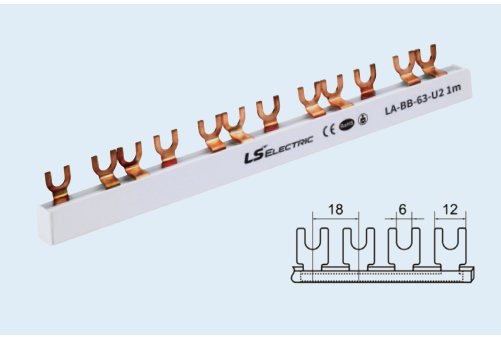
## Pin type (for 12 PIN)




| Phase | Product | Current | Length | Cross Section | Order number |
|---|---|---|---|---|---|
| 1 Phase | LA-BB-63-B1 12PIN | 63 A | 22 cm (12 PIN) | 10 mm² | 90810051C0 |
| 2 Phase | LA-BB-63-B2 12PIN | | | | 90810052C0 |
| 3 Phase | LA-BB-63-B3 12PIN | | | | 90810053C0 |
| 4 Phase | LA-BB-63-B4 12PIN | | | | 90810054C0 |
| 1 Phase | LA-BB-100-B1 12PIN | 100 A | 22 cm (12 PIN) | 22 mm² | 90810055C0 |
| 2 Phase | LA-BB-100-B2 12PIN | | | | 90810056C0 |
| 3 Phase | LA-BB-100-B3 12PIN | | | | 90810057C0 |
| 4 Phase | LA-BB-100-B4 12PIN | | | | 90810058C0 |

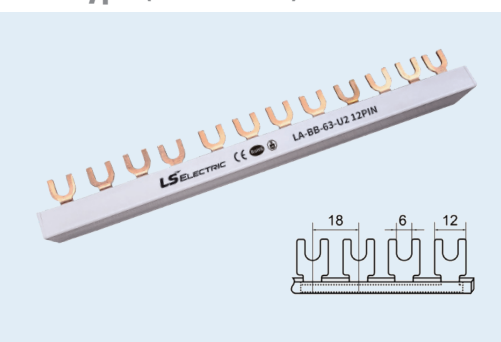
※ Pin type (for 12 PIN) includes End Cap on both sides

## Pork type (for 1m length)




| Phase | Product | Current | Length | Cross Section | Order number |
|---|---|---|---|---|---|
| 1 Phase | LA-BB-63-U1 1 m | 63 A | 1 m | 10 mm² | 90810024C0 |
| 2 Phase | LA-BB-63-U2 1 m | | | | 90810025C0 |
| 3 Phase | LA-BB-63-U3 1 m | | | | 90810026C0 |
| 4 Phase | LA-BB-63-U4 1 m | | | | 90810027C0 |
| 1 Phase | LA-BB-100-U1 1 m | 100 A | 1 m | 22 mm² | 90810028C0 |
| 2 Phase | LA-BB-100-U2 1 m | | | | 90810029C0 |
| 3 Phase | LA-BB-100-U3 1 m | | | | 90810030C0 |
| 4 Phase | LA-BB-100-U4 1 m | | | | 90810031C0 |

## Pork type (for 12 PIN)




| Phase | Product | Current | Length | Cross Section | Order number |
|---|---|---|---|---|---|
| 1 Phase | LA-BB-63-U1 12PIN | 63 A | 22 cm (12 PIN) | 10 mm² | 90810059C0 |
| 2 Phase | LA-BB-63-U2 12PIN | | | | 90810060C0 |
| 3 Phase | LA-BB-63-U3 12PIN | | | | 90810061C0 |
| 4 Phase | LA-BB-63-U4 12PIN | | | | 90810062C0 |
| 1 Phase | LA-BB-100-U1 12PIN | 100 A | 22 cm (12 PIN) | 22 mm² | 90810063C0 |
| 2 Phase | LA-BB-100-U2 12PIN | | | | 90810064C0 |
| 3 Phase | LA-BB-100-U3 12PIN | | | | 90810065C0 |
| 4 Phase | LA-BB-100-U4 12PIN | | | | 90810066C0 |

※ Pork type (for 12 PIN) includes End Cap on both sides

# Accessories

## End Cap



| Phase | Product | Current | Order number |
|---|---|---|---|
| 1 Phase | LA-BB-63-EC1 | 63 A | 90810032C0 |
| 2 Phase | LA-BB-63-EC2 | | 90810033C0 |
| 3 Phase | LA-BB-63-EC3 | | 90810034C0 |
| 4 Phase | LA-BB-63-EC4 | | 90810035C0 |
| 1 Phase | LA-BB-100-EC1 | 100 A | 90810036C0 |
| 2 Phase | LA-BB-100-EC2 | | 90810037C0 |
| 3 Phase | LA-BB-100-EC3 | | 90810038C0 |
| 4 Phase | LA-BB-100-EC4 | | 90810039C0 |

## Insulation barrier



LA-BARRIER

| Product | Order number |
|---|---|
| LA-BARRIER | 90810046C0 |

## Busbar Cap



| Product | Order number |
|---|---|
| LA-BB-63-BC | 90810040C0 |

## DIN-Rail



| Product | Order number |
|---|---|
| DIN-RAIL 1 m | 90810041C0 |

## Handle locking device



LA-HL-P




LA-HL-C



LA-HL-LOCK

### LA-HL-P

| Type | | LA-HL-P |
|---|---|---|
| Compatibility product | LA | LA125H, LA63HP |
| | LB | LB63N, LB63H, LB63H4,LB63HW |
| | LC | LC63N, LC63NR, LC100H, LC100HR |

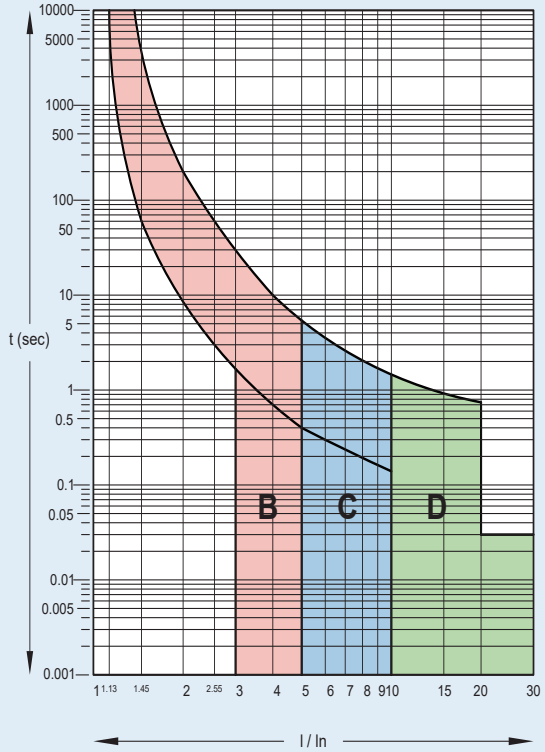
### LA-HL-C

| Type | | LA-HL-C |
|---|---|---|
| Compatibility product | LA | LA40E, LA40N, LA63E, LA63N, LA63H, LA63L, LA63HDC, LA100H, LA63Nd, LA63Hd,LA63HP.LA125D |
| | LB | LB40N, LB40H, LB40NB, LB63N, LB63H, LB63H4,LB63HW, LB32E |

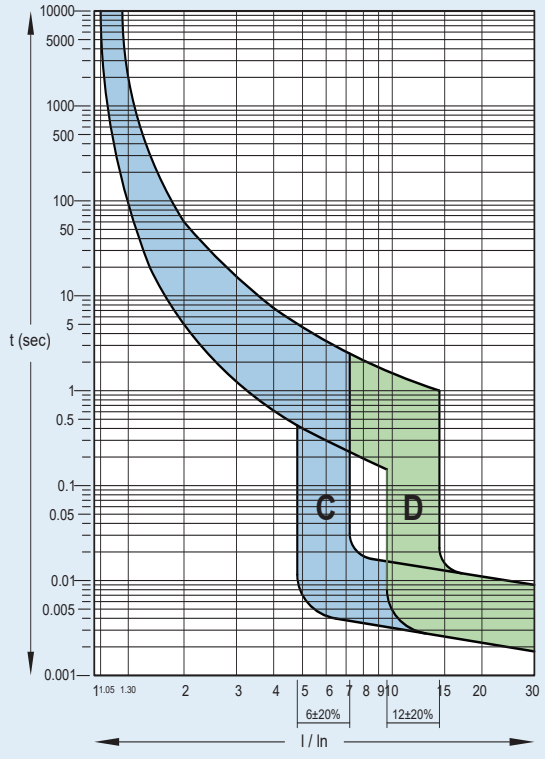
| Product | Order number |
|---|---|
| LA-HL-P | 90810042C0 |
| LA-HL-C | 90810043C0 |
| LA-HL-LOCK | 90810045C0 |

## Characteristics curve

### MCB (IEC/EN 60898-1 GB/T 10963.1)

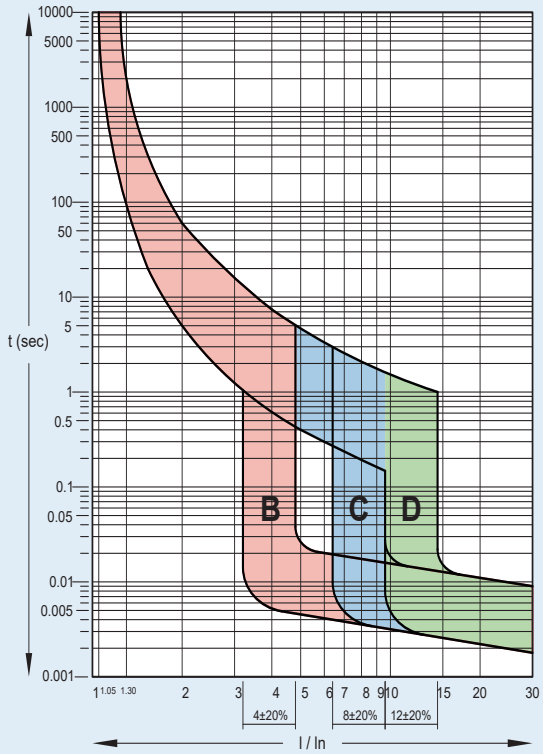



### DC MCB (IEC/EN 60947-2 GB/T 14048.2) LA63HD

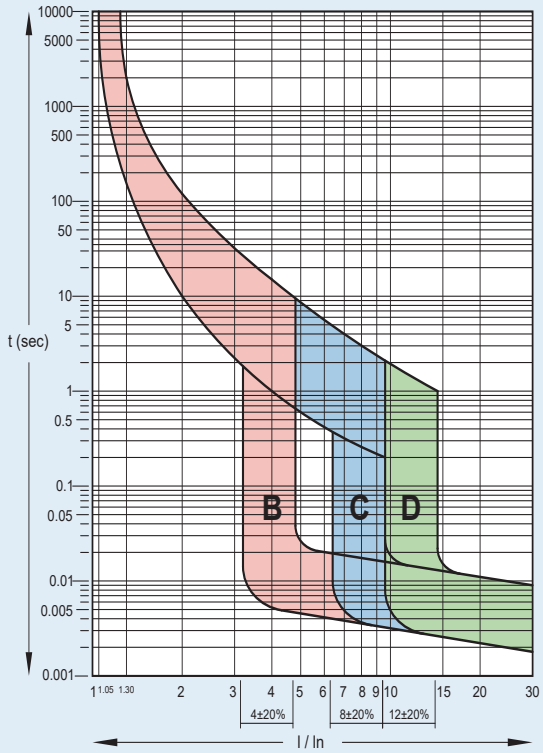


## Characteristics curve

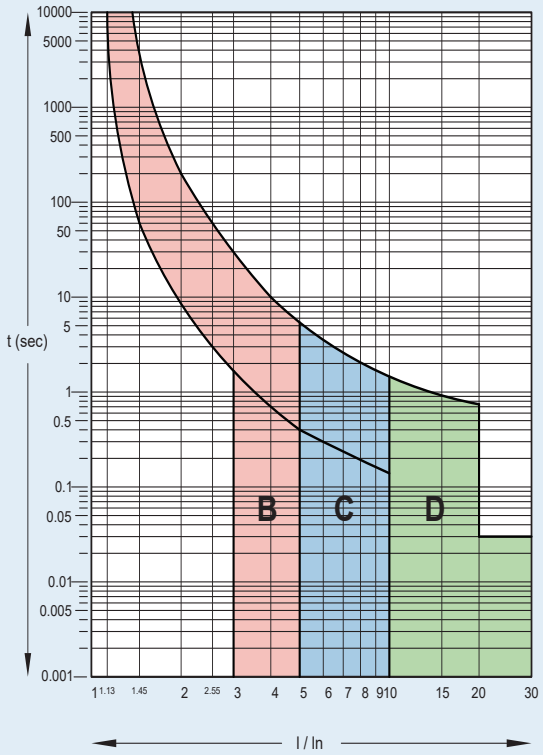
**MCB(63AF)**
**(IEC/EN 60947-2**
**GB/T 14048.2)**
**LA63N**
**LA63Nd**
**LA63H**
**LA63Hd**
**LA63L**
**LA63HP**




**MCB(100/125AF)**
**(IEC/EN 60947-2**
**GB/T 14048.2)**
**LA100H**
**LA125H**



## RCBO
## (IEC/EN 61009-1
## GB/T 16917.1)



## Temperature Derating

### LA40E, LA40N (IEC60898-1)

| Rated current (A) | -30°C | -25°C | -20°C | -15°C | -10°C | -5°C | 0°C | 5°C | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C | 45°C | 50°C | 55°C | 60°C | 65°C | 70°C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.22 | 1.20 | 1.18 | 1.16 | 1.15 | 1.13 | 1.11 | 1.09 | 1.08 | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 |
| 2 | 2.59 | 2.54 | 2.49 | 2.45 | 2.40 | 2.36 | 2.31 | 2.26 | 2.21 | 2.16 | 2.11 | 2.05 | 2.00 | 1.94 | 1.89 | 1.83 | 1.76 | 1.70 | 1.63 | 1.57 | 1.51 |
| 3 | 3.57 | 3.52 | 3.47 | 3.43 | 3.38 | 3.34 | 3.29 | 3.24 | 3.20 | 3.15 | 3.10 | 3.05 | 3.00 | 2.95 | 2.90 | 2.84 | 2.79 | 2.73 | 2.68 | 2.63 | 2.58 |
| 4 | 4.82 | 4.75 | 4.68 | 4.62 | 4.55 | 4.49 | 4.42 | 4.35 | 4.29 | 4.22 | 4.15 | 4.07 | 4.00 | 3.93 | 3.85 | 3.77 | 3.69 | 3.61 | 3.53 | 3.45 | 3.37 |
| 6 | 7.88 | 7.73 | 7.59 | 7.45 | 7.30 | 7.15 | 7.00 | 6.84 | 6.68 | 6.52 | 6.35 | 6.18 | 6.00 | 5.82 | 5.63 | 5.43 | 5.23 | 5.02 | 4.80 | 4.59 | 4.38 |
| 10 | 12.23 | 12.05 | 11.88 | 11.71 | 11.53 | 11.35 | 11.17 | 10.98 | 10.79 | 10.60 | 10.40 | 10.20 | 10.00 | 9.79 | 9.58 | 9.36 | 9.14 | 8.91 | 8.68 | 8.46 | 8.24 |
| 13 | 16.12 | 15.86 | 15.60 | 15.34 | 15.08 | 14.82 | 14.56 | 14.26 | 13.98 | 13.74 | 13.49 | 13.24 | 13.00 | 12.62 | 12.33 | 11.93 | 11.65 | 11.14 | 10.75 | 10.36 | 9.97 |
| 16 | 20.20 | 19.87 | 19.55 | 19.23 | 18.89 | 18.56 | 18.21 | 17.86 | 17.51 | 17.14 | 16.77 | 16.39 | 16.00 | 15.60 | 15.19 | 14.77 | 14.34 | 13.89 | 13.43 | 12.99 | 12.55 |
| 20 | 24.34 | 24.00 | 23.67 | 23.33 | 22.98 | 22.63 | 22.27 | 21.91 | 21.54 | 21.17 | 20.79 | 20.41 | 20.00 | 19.58 | 19.11 | 18.68 | 18.12 | 17.58 | 17.20 | 16.72 | 16.23 |
| 25 | 30.43 | 30.00 | 29.58 | 29.16 | 28.73 | 28.29 | 27.84 | 27.39 | 26.93 | 26.46 | 26.00 | 25.50 | 25.00 | 24.49 | 23.96 | 23.42 | 22.87 | 22.31 | 21.73 | 21.17 | 20.61 |
| 32 | 39.05 | 38.49 | 37.95 | 37.39 | 36.83 | 36.26 | 35.69 | 35.10 | 34.18 | 33.15 | 33.11 | 32.56 | 32.00 | 31.34 | 30.65 | 29.89 | 29.19 | 28.67 | 27.73 | 27.00 | 26.28 |
| 40 | 49.89 | 49.11 | 48.35 | 47.57 | 46.78 | 46.00 | 45.16 | 44.33 | 43.48 | 42.61 | 41.80 | 40.91 | 40.00 | 39.05 | 38.09 | 37.09 | 36.07 | 35.02 | 33.94 | 32.90 | 31.85 |

### LA63E/LA63N/LA63Nd/LA63H/LA63Hd/LA63L (IEC60898-1), LA63HDC (IEC60947-2)

| Rated current (A) | -30°C | -25°C | -20°C | -15°C | -10°C | -5°C | 0°C | 5°C | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C | 45°C | 50°C | 55°C | 60°C | 65°C | 70°C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.21 | 1.20 | 1.18 | 1.16 | 1.15 | 1.13 | 1.11 | 1.09 | 1.08 | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 |
| 2 | 2.38 | 2.35 | 2.32 | 2.29 | 2.26 | 2.23 | 2.20 | 2.17 | 2.13 | 2.10 | 2.07 | 2.03 | 2.00 | 1.96 | 1.93 | 1.89 | 1.86 | 1.82 | 1.78 | 1.74 | 1.70 |
| 3 | 3.56 | 3.52 | 3.47 | 3.43 | 3.38 | 3.34 | 3.29 | 3.24 | 3.20 | 3.15 | 3.10 | 3.05 | 3.00 | 2.95 | 2.90 | 2.84 | 2.79 | 2.73 | 2.68 | 2.62 | 2.56 |
| 4 | 4.81 | 4.75 | 4.68 | 4.62 | 4.55 | 4.49 | 4.42 | 4.35 | 4.29 | 4.22 | 4.15 | 4.07 | 4.00 | 3.93 | 3.85 | 3.77 | 3.69 | 3.61 | 3.53 | 3.44 | 3.36 |
| 6 | 7.72 | 7.59 | 7.46 | 7.32 | 7.19 | 7.08 | 6.94 | 6.79 | 6.65 | 6.49 | 6.33 | 6.16 | 6.00 | 5.80 | 5.61 | 5.48 | 5.29 | 5.10 | 4.92 | 4.71 | 4.50 |
| 10 | 11.89 | 11.75 | 11.60 | 11.45 | 11.30 | 11.15 | 10.99 | 10.85 | 10.68 | 10.52 | 10.35 | 10.18 | 10.00 | 9.82 | 9.64 | 9.46 | 9.24 | 9.06 | 9.00 | 8.81 | 8.60 |
| 13 | 16.12 | 15.86 | 15.60 | 15.34 | 15.08 | 14.82 | 14.56 | 14.26 | 13.98 | 13.74 | 13.49 | 13.24 | 13.00 | 12.76 | 12.53 | 12.22 | 11.96 | 11.70 | 11.44 | 11.18 | 10.92 |
| 16 | 19.57 | 19.30 | 19.02 | 18.74 | 18.46 | 18.26 | 17.98 | 17.68 | 17.33 | 17.12 | 16.58 | 16.33 | 16.00 | 15.68 | 15.26 | 14.91 | 14.52 | 14.16 | 13.68 | 13.42 | 13.02 |
| 20 | 24.42 | 24.09 | 23.75 | 23.40 | 23.05 | 22.79 | 22.43 | 22.03 | 21.68 | 21.26 | 20.86 | 20.43 | 20.00 | 19.58 | 19.11 | 18.68 | 18.12 | 17.58 | 17.20 | 16.82 | 16.35 |
| 25 | 29.75 | 29.35 | 29.02 | 28.62 | 28.24 | 27.95 | 27.58 | 27.19 | 26.82 | 26.31 | 25.95 | 25.46 | 25.00 | 24.56 | 24.08 | 23.54 | 23.18 | 22.66 | 22.26 | 21.77 | 21.26 |
| 32 | 39.50 | 38.96 | 38.47 | 37.83 | 37.24 | 36.68 | 36.02 | 35.42 | 34.78 | 34.15 | 33.45 | 32.73 | 32.00 | 31.28 | 30.55 | 29.81 | 28.98 | 28.12 | 27.27 | 26.63 | 25.74 |
| 40 | 48.45 | 47.82 | 47.23 | 46.50 | 45.83 | 45.22 | 44.56 | 43.78 | 43.05 | 42.33 | 41.56 | 40.77 | 40.00 | 39.19 | 38.35 | 37.46 | 36.66 | 35.74 | 34.82 | 34.02 | 33.10 |
| 50 | 60.06 | 59.29 | 58.51 | 57.71 | 57.01 | 56.18 | 55.38 | 54.59 | 53.65 | 52.86 | 51.83 | 50.92 | 50.00 | 49.01 | 48.05 | 46.95 | 45.93 | 45.03 | 44.02 | 43.01 | 41.92 |
| 63 | 76.25 | 75.30 | 74.22 | 73.21 | 72.09 | 71.15 | 70.05 | 68.91 | 67.81 | 66.62 | 65.33 | 64.18 | 63.00 | 61.80 | 60.52 | 59.12 | 58.02 | 56.42 | 55.22 | 54.23 | 52.88 |

### LA63N/LA63Nd/LA63H/LA63Hd/LA63L/LA63HP (IEC60947-2)

| Rated current (A) | -30°C | -25°C | -20°C | -15°C | -10°C | -5°C | 0°C | 5°C | 10°C | 15°C | 20°C | 25°C | 30°C | 35°C | 40°C | 45°C | 50°C | 55°C | 60°C | 65°C | 70°C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.27 | 1.25 | 1.23 | 1.21 | 1.20 | 1.18 | 1.16 | 1.15 | 1.13 | 1.11 | 1.09 | 1.08 | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 |
| 2 | 2.47 | 2.44 | 2.41 | 2.38 | 2.35 | 2.32 | 2.29 | 2.26 | 2.23 | 2.20 | 2.17 | 2.13 | 2.10 | 2.07 | 2.03 | 2.00 | 1.96 | 1.93 | 1.89 | 1.86 | 1.82 |
| 3 | 3.71 | 3.66 | 3.61 | 3.56 | 3.52 | 3.47 | 3.43 | 3.38 | 3.34 | 3.29 | 3.24 | 3.20 | 3.15 | 3.10 | 3.05 | 3.00 | 2.95 | 2.90 | 2.84 | 2.79 | 2.73 |
| 4 | 5.02 | 4.95 | 4.88 | 4.81 | 4.75 | 4.68 | 4.62 | 4.55 | 4.49 | 4.42 | 4.35 | 4.29 | 4.22 | 4.15 | 4.07 | 4.00 | 3.93 | 3.85 | 3.77 | 3.69 | 3.61 |
| 6 | 8.11 | 7.98 | 7.85 | 7.72 | 7.59 | 7.46 | 7.32 | 7.19 | 7.08 | 6.94 | 6.79 | 6.65 | 6.49 | 6.33 | 6.16 | 6.00 | 5.80 | 5.61 | 5.48 | 5.29 | 5.10 |
| 10 | 12.34 | 12.19 | 12.04 | 11.89 | 11.75 | 11.60 | 11.45 | 11.30 | 11.15 | 10.99 | 10.85 | 10.68 | 10.52 | 10.35 | 10.18 | 10.00 | 9.82 | 9.64 | 9.46 | 9.24 | 9.06 |
| 13 | 16.90 | 16.64 | 16.38 | 16.12 | 15.86 | 15.60 | 15.34 | 15.08 | 14.82 | 14.56 | 14.26 | 13.98 | 13.74 | 13.49 | 13.24 | 13.00 | 12.76 | 12.53 | 12.22 | 11.96 | 11.70 |
| 16 | 20.41 | 20.13 | 19.85 | 19.57 | 19.30 | 19.02 | 18.74 | 18.46 | 18.26 | 17.98 | 17.68 | 17.33 | 17.12 | 16.58 | 16.33 | 16.00 | 15.68 | 15.26 | 14.91 | 14.52 | 14.16 |
| 20 | 25.44 | 25.10 | 24.76 | 24.42 | 24.09 | 23.75 | 23.40 | 23.05 | 22.79 | 22.43 | 22.03 | 21.68 | 21.26 | 20.86 | 20.43 | 20.00 | 19.58 | 19.11 | 18.68 | 18.12 | 17.58 |
| 25 | 30.88 | 30.51 | 30.13 | 29.75 | 29.35 | 29.02 | 28.62 | 28.24 | 27.95 | 27.58 | 27.19 | 26.82 | 26.31 | 25.95 | 25.46 | 25.00 | 24.56 | 24.08 | 23.54 | 23.18 | 22.66 |
| 32 | 41.17 | 40.63 | 40.07 | 39.50 | 38.96 | 38.47 | 37.83 | 37.24 | 36.68 | 36.02 | 35.42 | 34.78 | 34.15 | 33.45 | 32.73 | 32.00 | 31.28 | 30.55 | 29.81 | 28.98 | 28.12 |
| 40 | 50.39 | 49.76 | 49.11 | 48.45 | 47.82 | 47.23 | 46.50 | 45.83 | 45.22 | 44.56 | 43.78 | 43.05 | 42.33 | 41.56 | 40.77 | 40.00 | 39.19 | 38.35 | 37.46 | 36.66 | 35.74 |
| 50 | 62.37 | 61.60 | 60.82 | 60.06 | 59.29 | 58.51 | 57.71 | 57.01 | 56.18 | 55.38 | 54.59 | 53.65 | 52.86 | 51.83 | 50.92 | 50.00 | 49.01 | 48.05 | 46.95 | 45.93 | 45.03 |
| 63 | 79.33 | 78.31 | 77.29 | 76.25 | 75.30 | 74.22 | 73.21 | 72.09 | 71.15 | 70.05 | 68.91 | 67.81 | 66.62 | 65.33 | 64.18 | 63.00 | 61.80 | 60.52 | 59.12 | 58.02 | 56.42 |

## LA100H (IEC60947-2)

| Rated current (A) | -30 °C | -25 °C | -20 °C | -15 °C | -10 °C | -5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C | 55 °C | 60 °C | 65 °C | 70 °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 78.60 | 77.41 | 76.22 | 75.00 | 73.77 | 72.49 | 71.21 | 69.92 | 68.60 | 67.22 | 65.83 | 64.40 | 63.00 | 61.52 | 60.00 | 58.44 | 56.84 | 55.19 | 53.49 | 51.94 | 49.92 |
| 80 | 98.37 | 96.98 | 95.52 | 94.10 | 92.62 | 91.10 | 89.61 | 88.10 | 86.50 | 84.92 | 83.31 | 81.60 | 80.00 | 78.27 | 76.50 | 74.69 | 72.84 | 70.93 | 68.95 | 66.96 | 64.89 |
| 100 | 124.42 | 122.58 | 120.70 | 118.79 | 116.82 | 114.87 | 112.82 | 110.81 | 108.72 | 106.62 | 104.41 | 102.20 | 100.00 | 97.69 | 95.32 | 92.89 | 90.39 | 87.82 | 85.18 | 82.45 | 79.63 |

## LA125H (IEC60947-2)

| Rated current (A) | -30 °C | -25 °C | -20 °C | -15 °C | -10 °C | -5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C | 55 °C | 60 °C | 6 5°C | 70 °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 11.88 | 11.74 | 11.59 | 11.44 | 11.29 | 11.13 | 10.99 | 10.83 | 10.67 | 10.51 | 10.34 | 10.17 | 10.00 | 9.82 | 9.64 | 9.46 | 9.26 | 9.07 | 8.88 | 8.65 | 8.46 |
| 13 | 16.12 | 15.86 | 15.60 | 15.34 | 15.08 | 14.82 | 14.56 | 14.26 | 13.98 | 13.74 | 13.49 | 13.24 | 13.00 | 12.76 | 12.53 | 12.22 | 11.96 | 11.70 | 11.44 | 11.18 | 10.92 |
| 16 | 19.57 | 19.30 | 19.02 | 18.74 | 18.46 | 18.17 | 17.88 | 17.58 | 17.27 | 16.96 | 16.65 | 16.33 | 16.00 | 15.67 | 15.30 | 14.95 | 14.58 | 14.21 | 13.83 | 13.43 | 13.04 |
| 20 | 24.42 | 24.09 | 23.75 | 23.40 | 23.05 | 22.69 | 22.33 | 21.96 | 21.58 | 21.20 | 20.81 | 20.41 | 20.00 | 19.57 | 19.12 | 18.70 | 18.24 | 17.80 | 17.33 | 16.83 | 16.35 |
| 25 | 29.71 | 29.35 | 29.00 | 28.62 | 28.24 | 27.86 | 27.47 | 27.07 | 26.67 | 26.26 | 25.85 | 25.43 | 25.00 | 24.56 | 24.08 | 23.63 | 23.18 | 22.70 | 22.22 | 21.74 | 21.23 |
| 32 | 39.48 | 38.90 | 38.30 | 37.73 | 37.15 | 36.52 | 35.95 | 35.32 | 34.68 | 34.03 | 33.37 | 32.69 | 32.00 | 31.28 | 30.55 | 29.81 | 29.02 | 28.23 | 27.46 | 26.61 | 25.69 |
| 40 | 48.42 | 47.80 | 47.12 | 46.48 | 45.80 | 45.10 | 44.40 | 43.72 | 43.00 | 42.24 | 41.50 | 40.77 | 40.00 | 39.19 | 38.38 | 37.52 | 36.70 | 35.82 | 34.98 | 34.08 | 33.13 |
| 50 | 60.00 | 59.26 | 58.49 | 57.70 | 56.90 | 56.06 | 55.22 | 54.40 | 53.57 | 52.70 | 51.80 | 50.90 | 50.00 | 49.01 | 48.07 | 47.10 | 46.12 | 45.11 | 44.10 | 43.01 | 41.90 |
| 63 | 76.20 | 75.20 | 74.20 | 73.10 | 72.07 | 71.00 | 69.90 | 68.80 | 67.70 | 66.52 | 65.23 | 64.10 | 63.00 | 61.80 | 60.60 | 59.38 | 58.14 | 56.87 | 55.58 | 54.20 | 52.85 |
| 80 | 98.40 | 97.00 | 95.59 | 94.15 | 92.68 | 91.20 | 89.70 | 88.15 | 86.57 | 84.95 | 83.35 | 81.69 | 80.00 | 78.27 | 76.50 | 74.69 | 72.84 | 70.93 | 68.95 | 66.96 | 64.89 |
| 100 | 124.46 | 122.61 | 120.73 | 118.82 | 116.87 | 114.90 | 112.89 | 110.85 | 108.77 | 106.64 | 104.47 | 102.26 | 100.00 | 97.69 | 95.32 | 92.89 | 90.39 | 87.82 | 85.18 | 82.45 | 79.63 |
| 125 | 157.02 | 154.61 | 152.16 | 149.66 | 147.13 | 144.55 | 141.92 | 139.24 | 136.51 | 133.73 | 130.88 | 127.98 | 125.00 | 121.95 | 118.72 | 115.24 | 112.03 | 108.75 | 105.00 | 101.21 | 97.85 |

## RCBO (IEC61009-1)

| Rated current (A) | -25 °C | -20 °C | -15 °C | -10 °C | -5 °C | 0 °C | 5 °C | 10 °C | 15 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C | 55 °C | 60 °C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 7.59 | 7.46 | 7.32 | 7.19 | 7.08 | 6.94 | 6.79 | 6.65 | 6.49 | 6.33 | 6.16 | 6.00 | 5.80 | 5.61 | 5.48 | 5.29 | 5.10 | 4.92 |
| 10 | 11.75 | 11.60 | 11.45 | 11.30 | 11.15 | 10.99 | 10.85 | 10.68 | 10.52 | 10.35 | 10.18 | 10.00 | 9.82 | 9.64 | 9.46 | 9.24 | 9.06 | 9.00 |
| 13 | 15.86 | 15.60 | 15.34 | 15.08 | 14.82 | 14.56 | 14.26 | 13.98 | 13.74 | 13.49 | 13.24 | 13.00 | 12.76 | 12.53 | 12.22 | 11.96 | 11.70 | 11.44 |
| 16 | 19.15 | 18.89 | 18.62 | 18.35 | 18.07 | 17.79 | 17.50 | 17.21 | 16.90 | 16.58 | 16.31 | 16.00 | 15.68 | 15.36 | 15.03 | 14.69 | 14.34 | 13.98 |
| 20 | 24.09 | 23.75 | 23.40 | 23.05 | 22.79 | 22.43 | 22.03 | 21.68 | 21.26 | 20.86 | 20.43 | 20.00 | 19.58 | 19.14 | 18.70 | 18.29 | 17.82 | 17.39 |
| 25 | 29.35 | 29.02 | 28.62 | 28.24 | 27.95 | 27.58 | 27.19 | 26.82 | 26.31 | 25.95 | 25.46 | 25.00 | 24.49 | 23.98 | 23.45 | 22.91 | 22.36 | 21.79 |
| 32 | 37.69 | 37.21 | 36.72 | 36.23 | 35.73 | 35.22 | 34.70 | 34.18 | 33.65 | 33.11 | 32.56 | 32.00 | 31.43 | 30.85 | 20.26 | 29.66 | 29.05 | 28.42 |
| 40 | 47.82 | 47.23 | 46.50 | 45.83 | 45.22 | 44.56 | 43.78 | 43.05 | 42.33 | 41.56 | 40.77 | 40.00 | 39.19 | 38.35 | 37.46 | 36.66 | 35.74 | 34.82 |
| 50 | 59.29 | 58.51 | 57.71 | 57.01 | 56.18 | 55.38 | 54.59 | 53.65 | 52.86 | 51.83 | 50.92 | 50.00 | 49.01 | 48.05 | 46.95 | 45.93 | 45.03 | 44.02 |
| 63 | 75.30 | 74.22 | 73.21 | 72.09 | 71.15 | 70.05 | 68.91 | 67.81 | 66.62 | 65.33 | 64.18 | 63.00 | 61.80 | 60.52 | 59.12 | 58.02 | 56.82 | 55.72 |

## Impact of Altitude

If an MCB is used at an altitude of 2000 m above sea level, its operating performance may be significantly affected due to reduced atmospheric pressure and temperature. An MCB must be derated when used in high altitude environments to ensure proper performance. Apply the correction factors provided in the Derating Parameters for High Altitude table below when derating an MCB.

[Derating parameters for high altitude]

| Altitude | 2000 m | 3000 m | 4000 m | 5000 m | 6000 m |
|---|---|---|---|---|---|
| Rated voltage (Ue) | 1×Ue | 0.91×Ue | 0.82×Ue | 0.73×Ue | 0.65×Ue |
| Rated current (In) | 1×In | 0.98×In | 0.96×In | 0.94×In | 0.92×In |

* Altitude derating values are based on ANSI C37.25-1970

# Memo

# Global Business




LS ELECTRIC set a mid- to long-term vision for each overseas market to broaden its global business presence. In addition to pursuing the evolution of our existing businesses, we are discovering new business opportunities and strengthening the basis of business operations to take a tailor-made approach to each local market.

**1 Europe**

Accelerating growth mainly in the renewable energy market

**2 Middle East & Southwest Asia**

Strengthening direct sales through localization

**3 China**

Strengthening business capabilities for power equipment and systems

**4 Southeast Asia**

Focusing on the sale of strategic products and project development

**5 North America**

Delivering global products and solutions, tapping into the Central and Latin American markets

## Domestic Subsidiaries

LS Metal

**Manufacturing copper tubes and STS pipes**
Yongsan-gu, Seoul, Korea

- Head Office
- Seoul Office
- Domestic Worksites
- Domestic R&D Centers
- Overseas Holding Company
- Overseas Production Subsidiaries




(as of Dec. 31, 2023)

| LS Mecapion | LS-Sauter | LS ITC | ACT system |
|---|---|---|---|
| **Manufacturing industrial electronic equipment** | **Selling BAS/IBS and GBS systems** | **Providing total IT services** | **Manufacturing industrial communication equipment** |
| Dalseo-gu, Daegu, Korea | Anyang-si, Gyeonggi-do, Korea | Yongsan-gu, Seoul, Korea | Anyang-si, Gyeonggi-do, Korea |

| | |
|---|---|
| Anyang | |
| Yongsan | |
| Cheongju, Cheonan, Busan | |
| R&D Campus (Anyang), Electric Power R&D Center (Cheongju), Power Testing & Technology Institute (Cheongju), Automation R&D Center (Cheonan), HVDC R&D Center (Busan) | |
| Shanghai (China), Chicago (US) | |
| Wuxi (China), Dalian (China), Lishui (China), Hanoi (Vietnam), Charlotte (US), Enoch (US), Istanbul (Turkey) | |
| Overseas Sales Subsidiaries | Hoofddorp (Netherlands), Dubai (UAE), Tokyo (Japan), Chicago (US), Istanbul (Turkey), Jakarta (Indonesia), Madrid (Spain) |
| Overseas Branches | Shanghai (China), Beijing (China), Guangzhou (China), Qingdao (China), Nanjing (China), Chengdu (China), Shenyang (China), Tokyo (Japan), Hanoi (Vietnam), Ho Chi Minh (Vietnam), Moscow (Russia), Bangkok (Thailand), Santa Fe Springs (US), Singapore (Singapore), Bengaluru (India), Brescia (Italy), Bastrop Campus (US) |
| Overseas R&D Center | Wuxi (China) |

**Headquarter**
127 LS-ro (Hogye-dong) Dongan-gu, Anyang-si, Gyeonggi-Do, 14119, Korea

**Seoul Office**
LS Yongsan Tower, 92, Hangang-daero, Yongsan-gu, Seoul, 04386, Korea
TEL: 82-2-2034-4916, 4684, 4429

**China**

LS ELECTRIC (Dalian) Co., Ltd.
+86-411-8730-5872
china.dalian@lselectric.com.cn

LS ELECTRIC (Wuxi) Co., Ltd.
+86-510-8534-6666
china.wuxi@lselectric.com.cn

LS ELECTRIC (Lishui) Co., Ltd.
+86-133-6207-7980
china.lishui@lselectric.com.cn

Shanghai Office
+86-21-5237-9977
china@lselectric.com.cn

Beijing Office
+86-10-5095-1631
china@lselectric.com.cn

Guangzhou Office
+86-20-3818-2883
china@lselectric.com.cn

Qingdao Office
+86-532-8501-2065
china@lselectric.com.cn

Chengdu Office
+86-28-8670-3201
china@lselectric.com.cn

Nanjing Office
+86-25-8467-0005
china@lselectric.com.cn

**India**

India Office
+91-80-6142-9108
Info_india@ls-electric.com

**Indonesia**

PT. LS ELECTRIC INDONESIA
+62-21-2933-7614
indonesia@ls-electric.com

**Italy**

Italy office
+39-030-8081-833
italia@ls-electric.com

**Japan**

LS ELECTRIC Japan Co., Ltd.
+81-3-6268-8241
japan@ls-electric.com

Tokyo Office
+81-3-6268-8241
tokyo@ls-electric.com

**Netherlands**

LS ELECTRIC Europe B.V.
+31-20-654-1424
europartner@ls-electric.com

**Russia**

Moscow Office
+7-499-682-6130
info@lselectric-ru.com

**Singapore**

Singapore Office
+65-6958-8162
singapore@ls-electric.com

**Spain**

LS ELECTRIC IBERIA S.L.U.
+34-910-28-02-74
iberia@ls-electric.com

**Thailand**

Bangkok Office
+66-2-128-0295
thailand@ls-electric.com

**Türkiye**

LS ELECTRIC Türkiye Co., Ltd.
+90-212-806-1252
turkiye@ls-electric.com

**U.A.E**

LS ELECTRIC Middle East FZE (Dubai)
+971-4-886-5360
middleeast@ls-electric.com

**USA**

LS ELECTRIC America Inc.
+1-800-891-2941
sales.us@lselectricamerica.com

LS ENERGY SOLUTIONS LLC
+1-980-221-0654
info@ls-es.com

MCM Engineering II
+1-435-865-0125
sales.us@lselectricamerica.com

America Western Office
+1-949-333-3140
america@ls-electric.com

America Bastrop Campus
+1-224-352-2265
sales.us@lselectricamerica.com

**Vietnam**

LS ELECTRIC Vietnam Co., Ltd.
+84-222-2221-110
vietnam@ls-electric.com

Hanoi Sales Office
+84-24-6275-8054
vietnam@ls-electric.com

Ho Chi Minh Sales Office
+84-3823-7890
vietnam@ls-electric.com

## DIGITAL SUPPORT HUB

**LSE LENS**
Scan the QR code to instantly access product materials

**Download Center**
Instantly access datasheets, manuals, and CAD files

**Tech Hub-Youtube**
Watch trusted tutorials and product guides from real experts

Specifications in this catalog are subject to change without notice due to continuous product development and improvement
© 2024. 03 LS ELECTRIC Co., Ltd. All rights reserved. / English (07) 2026. 09 Staffcom

**www.ls-electric.com**