Product data sheet
Characteristics

MVS20H4MF2L
Circuit breaker, EasyPact MVS, 2000A, 65KA, 4 Poles, MF, ET2I



Main

Range	EasyPact
Product name	MVS20H
Device short name	MVS20H
Product or component type	Circuit breaker
Device application	Distribution
Poles description	4P
Protected poles description	4P 4d
[In] rated current	2000 A at 40 °C
Network type	AC
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	H
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
Trip unit name	ET2I
Trip unit technology	Electronic
Trip unit rating	2000 A

Complementary

Network frequency	50/60 Hz
Control type	Manually operated
Mounting mode	Fixed
Mounting support	Base plate Rail
Connection position	Vertical Horizontal
Location of connection	Rear
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	12 KV conforming to IEC 60947-2
Circuit breaker CT rating	2000 A
Breaking capacity	65 KA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	65 KA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA (Ics) at 690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 Cycles (with maintenance) conforming to IEC 60947-2 10000 Cycles (without maintenance) conforming to IEC 60947-2
Electrical durability	Category B: 5000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 Category B: 5000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Connection pitch	115 Mm without spreader
Contact position indicator	Yes

[Icm] rated short-circuit making capacity	143 KA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 105 KA (Icm) at 690 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] rated short-time withstand current	65 KA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 50 KA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 KA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit protection functions	LSI
Protection type	Instantaneous short-circuit protection Overload protection (long time) Short time short-circuit protection
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.4...1 x In
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.5…24 S at 6 x Ir
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable 5 settings
[tsd] short-time delay adjustment range	100…400 Ms
Instantaneous pick-up adjustment type Ii	Adjustable 9 settings
Instantaneous pick-up adjustment range	2...15 x In Off
Zone selective interlocking ZSI	With
Maximum breaking time	25 Ms
Maximum closing response time	70 Ms
Height	352 Mm
Width	537 Mm
Depth	297 Mm
Net weight	50 Kg

Environment

Standards	IEC 60947-2
Product certifications	IEC[RETURN]EAC
Pollution degree	4 conforming to IEC 60664-1
IP degree of protection	IP40
Ambient air temperature for operation	-5…70 °C
Ambient air temperature for storage	-40…85 °C without control unit -25…85 °C with control unit

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	35.2 Cm
Package 1 Width	53.7 Cm
Package 1 Length	29.7 Cm
Package 1 Weight	80 Kg

Offer Sustainability

Recyclability potential, in %	79
Total lifecycle Carbon footprint	11 939 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	346.417895072035
Carbon footprint of the manufacturing phase [A1 to A3]	346 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	14.850897184421521
Carbon footprint of the distribution phase [A4]	15 kg CO2 eq.
Carbon footprint of the installation phase [A5]	1.8089273020057102
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	11470.425531914894
Carbon footprint of the use phase [B2, B3, B4, B6]	11 470 kg CO2 eq.

Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	105.90224977036438
Carbon footprint of the end-of-life phase [C1 to C4]	106 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	11939
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and c
SCIP Number	3f2d539a-6ab5-46aa-8603-9354f4ae3294
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
PVC free	Yes
End of life manual availability	End Of Life Information
Removable battery	Yes
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised