

Product data sheet

Characteristics



Main

Range of product	EasyPact MVS
Circuit breaker name	MVS20H
Device short name	MVS20H
Circuit breaker application	Industrial
Poles description	3P
Protected poles description	3P 3d
Network type	AC
Breaking capacity code	H - 65 kA
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B
Trip unit name	ET2I
Trip unit technology	Micro-processor based
Trip unit rating	2000 A (-5...70 °C)

Complementary

Network frequency	50/60 Hz
Control type	Manually operated
Mounting mode	Fixed
Mounting support	Base plate Rail
Connection position	Horizontal Vertical
Location of connection	Rear
[In] rated current	2000 A (40 °C)
[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
[Ue] rated operational voltage	690 V AC 50/60 Hz 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
[Ics] rated service breaking capacity	50 kA (Ics) at 690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA (Ics) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	10000 cycles (without maintenance) conforming to IEC 60947-2 20000 cycles (with maintenance) conforming to IEC 60947-2
Electrical durability	4000 cycles (without maintenance), category B at 690 V AC 50/60 Hz, conforming to IEC 60947-2 6000 cycles (without maintenance), category B at 440 V AC 50/60 Hz, 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
[Icw] rated short-time withstand current	36 kA (3 s) at 440/690 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 65 kA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit protection functions	LI
Protection type	Instantaneous short-circuit protection Overload protection (long time)
Fault indication	Overload Short-circuit Internal fault

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