



Main

Range of product	EasyPact MVS
Range	EasyPact
Product name	MVS16H
Device short name	MVS16H
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3P 3d
Network type	AC
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	1600 A

Complementary

Network frequency	50/60 Hz
Control type	Electrically operated
Mounting mode	Fixed
Mounting support	Base plate Rail
Connection position	Horizontal Vertical
Location of connection	Rear
[In] rated current	1600 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	1600 A
Breaking capacity	65 kA (Icu) at 220...440 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	6000 cycles (without maintenance), category B at 440 V AC 50/60 Hz, conforming to IEC 60947-2 4000 cycles (without maintenance), category B at 690 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	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 36 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit protection functions	LI
Protection type	Overload protection (long time) Instantaneous short-circuit protection
Fault indication	Internal fault Short-circuit Overload
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 (6 x Ir)
Thermal memory	20 minutes before and after tripping
Instantaneous pick-up adjustment type li	Adjustable 9 settings
Instantaneous pick-up adjustment range	1.5...10 x Ir
Zone selective interlocking ZSI	With
Current sensor rating range	400/2000 A
Maximum breaking time	25 ms
Closing response time	< 70 ms
Height	352 mm
Width	422 mm
Depth	297 mm
Product weight	40 kg
Compatibility code	MVS16H

Environment

Standards	IEC 60947-2
Product certifications	GOST IEC CCC CCS
IP degree of protection	IP40
Pollution degree	4 conforming to IEC 60664-1
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)

Offer Sustainability

RoHS (date code: YYWW)	Will be compliant on 2Q2016 Will be compliant on 2Q2016
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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