



Main

Range of product	EasyPact MVS
Range	EasyPact
Product name	MVS16N
Device short name	MVS16N
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3P 3d
Network type	AC
Breaking capacity code	N
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	Manually operated
Mounting mode	Fixed
Mounting support	Rail Base plate
Connection position	Vertical Horizontal
Location of connection	Rear
[In] rated current	1600 A at 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	50 KA Icu at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	50 KA (Ics) at 220...440 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: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 Category B: 4000 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	105 KA (Icm) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] rated short-time withstand current	50 KA (1 s) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2 42 KA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 25 KA (3 s) at 440/690 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	Short-circuit Internal fault 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 at 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
Maximum closing response time	70 Ms
Height	352 Mm
Width	422 Mm
Depth	297 Mm
Net weight	40 Kg

Environment

Standards	IEC 60947-2
Product certifications	GOST CCC IEC 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	38 Kg
Package 1 Height	42 Cm
Package 1 width	35 Cm
Package 1 Length	50 Cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	 Yes

China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 months
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Product Life Status :	Commercialised
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