



### Main

Range of product	EasyPact MVS
Range	EasyPact
Product name	MVS12N
Device short name	MVS12N
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	ET5S
Trip unit technology	Electronic
Trip unit rating	1250 A

### Complementary

Network frequency	50/60 Hz
Control type	Manually operated
Mounting mode	Fixed
Mounting support	Rail Base plate
Connection position	Horizontal Vertical
Location of connection	Rear
[In] rated current	1250 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1250 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	LSI
Protection type	Overload protection (long time) Short time short-circuit protection Instantaneous short-circuit protection
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
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable 9 settings
[I <sub>sd</sub> ] short-time pick-up adjustment range	1.5...10 x Ir
Short-time delay adjustment type	Adjustable 5 settings
[T <sub>sd</sub> ] short-time delay adjustment range	100...400 ms
Instantaneous pick-up adjustment type I <sub>li</sub>	Adjustable 9 settings
Instantaneous pick-up adjustment range	2...15 x In Off
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 IEC CCS CCC
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

EU RoHS Directive	Under investigation
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

### Contractual warranty

Warranty	18 months
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