



### 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	ET6G
Trip unit technology	Electronic
Trip unit rating	1250 A

### Complementary

Network frequency	50/60 Hz
Control type	Manually operated
Mounting mode	Drawout
Mounting support	Rail Base plate
Connection position	Vertical Horizontal
Location of connection	Rear
[In] rated current	1250 A (40 °C)
[U <sub>i</sub> ] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	12 kV conforming to IEC 60947-2
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1250 A
Breaking capacity	50 kA (I <sub>cu</sub> ) at 220...440 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service breaking capacity	50 kA (I <sub>cs</sub> ) 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	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	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	LSIG
Protection type	Earth fault Short time short-circuit protection Overload protection (long time) Instantaneous short-circuit protection
Fault indication	Internal fault Overload Earth fault Short-circuit
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)
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	Off 2...15 x In
Ground-fault pick-up adjustment type	Adjustable 9 settings
Ground-fault time delay adjustment type -tg	Adjustable 5 settings
[T <sub>g</sub> ] ground-fault time delay adjustment range	100...400 ms
[I <sub>g</sub> ] ground-fault pick-up adjustment range	500...1200 A
Zone selective interlocking ZSI	With
Current sensor rating range	400/2000 A
Maximum breaking time	25 ms
Closing response time	< 70 ms
Height	439 mm
Width	441 mm
Depth	395 mm
Product weight	70 kg
Compatibility code	MVS12N

## Environment

Standards	IEC 60947-2
Product certifications	IEC CCC CCS GOST
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 environmental
Product end of life instructions	Available  End of life manual

### Contractual warranty

Warranty period	18 months
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# MVS12N3MW6L