Product data sheet

Specifications

Circuit breaker, EasyPact MVS, 3 Poles, 1250A, 50kA, AC, MDO, ETA5, drawout, manual

MVS12N3MW5A

Main

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
[In] Rated Current	1250 A at 40 °C
Network Type	AC
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking Capacity Code	N
Suitability For Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category B
Trip Unit Name	ETA5S
Trip Unit Technology	Electronic
Trip Unit Rating	1250 A

Complementary

Network Frequency	50/60 Hz
Control Type	Manually operated
Mounting Mode	Drawout
Mounting Support	Base plate Rail
Connection Position	Vertical Horizontal
Location Of Connection	Rear
[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
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	Instantaneous short-circuit protection Overload protection (long time) Short time 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 Isd	Adjustable 9 settings
[Isd] Short-Time Pick-Up Adjustment Range	1.5...10 x Ir
Short-Time Delay Adjustment Type	Adjustable 5 settings
[Tsd] Short-Time Delay Adjustment Range	100…400 ms
Instantaneous Pick-Up Adjustment Type Ii	Adjustable 9 settings
Instantaneous Pick-Up Adjustment Range	2...15 x In Off
Zone Selective Interlocking Zsi	With
Display Type	Digital display
Type Of Measurement	Current
Current Sensor Rating Range	400/2000 A
Maximum Breaking Time	25 ms
Maximum Closing Response Time	70 ms
Height	439 mm
Width	441 mm
Depth	395 mm
Net Weight	70 kg

Environment

Standards	IEC 60947-2

Product Certifications	CCS CCC IEC GOST
Pollution Degree	4 conforming to IEC 60664-1
Ip Degree Of Protection	IP40
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 Height	42.0 cm
Package 1 Width	35.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	38.0 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance

✅ Mercury Free

✅ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant with Exemptions

China Rohs Regulation   China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure   Product Environmental Profile

Circularity Profile   End of Life Information