# **Product datasheet**





# Circuit breaker, EasyPact MVS, 3 Poles, 1600A, 50kA, MF, ET2, fixed, manual

MVS16N3MF2L

## Main

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	
[In] Rated Current	1600 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	on Category Category B	
Trip Unit Name	t Name ET2I	
Trip Unit Technology	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	
[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	1600 A	
Breaking Capacity	50 kA Icu at 220440 V AC 50/60 Hz conforming to IEC 60947-2	
[Ics] Rated Service Breaking Capacity	50 kA (lcs) at 220440 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 220440 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] Rated Short-Time Withstand	50 kA (1 s) at 220440 V AC 50/60 Hz conforming to IEC 60947-2
Current	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	ш
Protection Type	Instantaneous short-circuit protection
	Overload protection (long time)
Fault Indication	Short-circuit
	Internal fault Overload
Long Time Pick-Up Adjustment	Adjustable 9 settings
Type Ir	Aujustable & Settings
Long Time Pick-Up Adjustment Range	0.41 x ln
Long Time Delay Adjustment Type	Adjustable 9 settings
[Tr] Long-Time Delay Adjustment Range	0.524 s at 6 x lr
Thermal Memory	20 minutes before and after tripping
Instantaneous Pick-Up Adjustment Type Ii	Adjustable 9 settings
Instantaneous Pick-Up Adjustment Range	1.510 x lr
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
Pollution Degree	4 conforming to IEC 60664-1
Ip Degree Of Protection	IP40
Ambient Air Temperature For Operation	-570 °C
Ambient Air Temperature For Storage	-4085 °C without control unit -2585 °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



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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Transparency RoHS/REACh

## Well-being performance

	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes
<b>⊘</b>	Pvc Free	

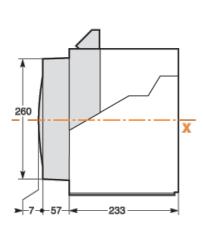
#### **Certifications & Standards**

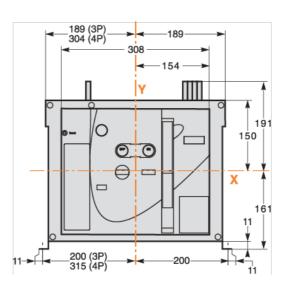
Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

# **Product datasheet**

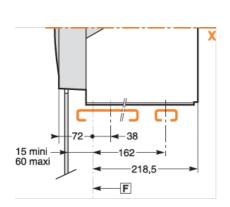
## MVS16N3MF2L

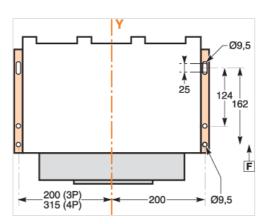
## **Dimensions Drawings**

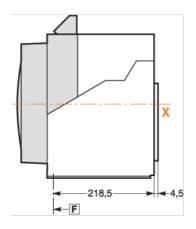


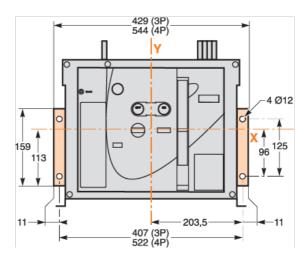


## Assembly









### MVS16N3MF2L

#### Performance Curves

