



MMN300



Magnetic MCB 3P 25kA 0.63A 400V Zubehörmöglich. Anzeige IEC 947-2

Technical properties

Architecture

Neutral position	not applicable
Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Fixing mode	DIN rail type O (symmetrical)

Functions

Concurrently switching N-neutral	No
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Configuration

Number of modules	3
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Connectivity

Top connection alignment for modular devices	Aligned terminal
Bottom connection alignment for modular devices	Aligned terminal

Main electrical features

Rated operational voltage U_e	415 V
Type of supply voltage	AC

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V

Electric current

Rated current	0.63 A
Magnetic regulating current	12 In
Rating current -10°C according to IEC 60947	0.63 A
Rating current -15°C according to IEC 60947	0.63 A
Rating current -20°C according to IEC 60947	0.63 A
Rating current -25°C according to IEC 60947	0.63 A
Rating current -5°C according to IEC 60947	0.63 A
Rating current 0°C according to IEC 60947	0.63 A
Rating current 10°C according to IEC 60947	0.63 A
Rating current 15°C according to IEC 60947	0.63 A

Rating current 20°C according to IEC 60947	0.63 A
Rating current 25°C according to IEC 60947	0.63 A
Rating current 30°C according to IEC 60947	0.63 A
Rating current 35°C according to IEC 60947	0.63 A
Rating current 40°C according to IEC 60947	0.63 A
Rating current 45°C according to IEC 60947	0.63 A
Rating current 5°C according to IEC 60947	0.63 A
Rating current 50°C according to IEC 60947	0.63 A
Rating current 55°C according to IEC 60947	0.63 A
Rating current 60°C according to IEC 60947	0.63 A
Rating current 65°C according to IEC 60947	0.63 A
Rating current 70°C according to IEC 60947	0.63 A
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	3 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA
Current correction factors	
Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	0.95
Correction factor of rating current for 4 and 5 devices placed side-by-side	0.9
Correction factor of rating current for 6 devices placed side-by-side	0.85
Correction factor of magnetic tripping with 100 Hz	1.1
Correction factor of magnetic tripping with 200 Hz	1.2
Correction factor of magnetic tripping with 400 Hz	1.5
Correction factor of magnetic tripping with 60 Hz	1
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	52.5 mm
Frequency	
Frequency	50 to 60 Hz

Power

Maximum power loss per pole according to the product standard	3 W
Total power loss under IN	0.5 W
Power loss per pole at In	0.2 W

Tripping

Time of response when opening	7 ms
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Installation, mounting

Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of top rail clip for modular devices	Plastic
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
Suitable for flush-mounting	Yes

Connection

Connection cross-section at output with screw, for flexible conductor	1 / 25 mm ²
Connection cross-section at output with screw, for massive conductor	1 / 35 mm ²
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 35 mm ²
Connection cross-section of the access with screws, with flexible conductor	1 / 25 mm ²
Downstream cage clamp delivery status	opened
Upstream cage clamp delivery status	opened

Equipment

Can be accessorized	Yes
With transparent product label holder	Yes

Standards

Standard text	IEC 60947-2
European directive WEEE	concerned

Safety

Protection index IP	IP20
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Use conditions

Operating temperature	-25...70 °C
Altitude	2000 m
Storage/transport temperature	-25...80 °C