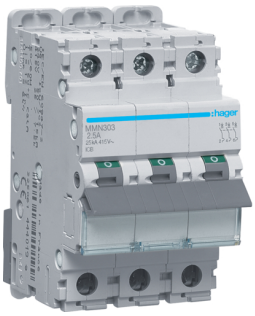
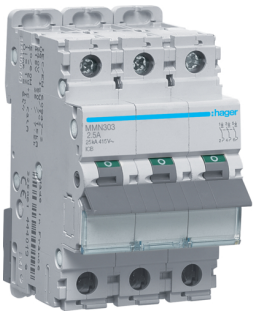


MMN303



MMN303

Magnetic MCB 3P 2.5A

Product Datasheet

Architecture

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Curve	NA

Functions

Concurrently switching N-neutral	no

Main electrical features

Rated operational voltage Ue	230 / 400 V
Type of supply voltage	AC
Frequency	50/60 Hz

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V

Electric current

Rated current	2,5 A
Magnetic regulating currrent	12 In
Rated ultimate short-circuit breaking capacity Icu AC IEC 60947-2	25 kA
Rated service breaking capacity Ics AC according IEC 60947-2	75 %
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	25 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 440V AC IEC 60947-2	25 kA

Electric current / temperature

Rating current 30°C	2,7 A
Rating current 35°C	2,6 A
Rating current 40°C	2,5 A
Rating current 45°C	2,4 A
Rating current 50°C	2,3 A
Rating current 55°C	2,2 A
Rating current 60°C	2,1 A
Rating current 70°C	1,9 A

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

Frequency

Frequency	50 to 60 Hz

Power

Maximum power loss per pole according to the product standard	3 W
Total power loss under IN	0,34 W
Power loss per pole at In	0,12 W

Endurance

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

Dimensions

Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	52,5 mm

Installation, mounting

Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	plastic
Top removability for modular devices	yes
Bottom removability for modular devices	yes
Suitable for flush-mounting	yes
360° product mounting position	yes

Connection

Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm²
Type of connection	with screw

Standards

Standard text	EN 60898-1
European directive WEEE	concerned

Safety

Protection index IP	IP20

Use conditions

Operating temperature	-25…70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I^2t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-25…80 °C