



MCB 3P 6kA D-10A 3M

MDN310P

Architecture

Neutral position	without neutral
Number of protected poles	3
Number of poles	3 P
Type of pole	3 P
Fixing mode	DIN rail type O (symmetrical)
Curve	D

Functions

Concurrently switching N-neutral	no
Sealable	yes

Compatibility

Compatible with DIN rail mounting	yes
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Controls and indicators

With Contact position indicator	no
With fault indicator	no

Connectivity

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

Main electrical features

Rated operational voltage Ue	415 V
Type of supply voltage	AC

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V
Minimum threshold voltage (Ue min)	12 V

Electric current

Rated current	10 A
min/maxi threshold value of the AC thermal operation	1,13 / 1,45 In
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	6 kA
Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1	6 kA
Rated service breaking capacity Ics under 240V AC according IEC 60898-1	6 kA
Rated service breaking capacity Ics under 415V AC according IEC 60898-1	6 kA

Electric current / temperature

Rating current -25°C	12,73 A
Rating current -20°C	12,51 A
Rating current -15°C	12,28 A
Rating current -10°C	12,05 A
Rating current -5°C	11,81 A
Rating current 0°C	11,57 A
Rating current 5°C	11,32 A
Rating current 10°C	11,07 A
Rating current 25°C	10,28 A
Rating current 30°C	10 A
Rating current 35°C	9,61 A
Rating current 40°C	9,21 A
Rating current 45°C	8,78 A
Rating current 50°C	8,33 A
Rating current 55°C	7,86 A
Rating current 60°C	7,36 A
Rating current 65°C	6,82 A
Rating current 70°C	6,24 A

Frequency

Frequency	50 to 60 Hz
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Dimensions

Depth of installed product	70 mm
Height of installed product	84,6 mm
Width of installed product	52,5 mm

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
360° product mounting position	yes

Connection

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

Can be accessorized	yes
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With transparent product label holder	yes
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Standards

Standard text	EN 60898-1, AS/NZS 60898-1
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European directive WEEE	concerned
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Product categories described in the W3E directive 2012/19/EU	Category 5
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Safety

Protection index IP	IP20
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Use conditions

Operating temperature	-25 70 °C
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Degree of pollution according to IEC 60664 / IEC 60947-2	2
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Altitude	2000 m
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Storage/transport temperature	-25 80 °C
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Temperature of calibration	30 °C
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