



MDN320P

MCB 3P 6kA D-20A 3M

Technical properties

Architecture

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

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 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	20 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

Electric current / temperature

Rating current -25°C	24.78 A
Rating current -20°C	24.38 A
Rating current -15°C	23.98 A
Rating current -10°C	23.57 A

Rating current -5°C	23.16 A
Rating current 0°C	22.73 A
Rating current 5°C	22.3 A
Rating current 10°C	21.86 A
Rating current 25°C	20.48 A
Rating current 30°C	20 A
Rating current 35°C	19.48 A
Rating current 40°C	18.94 A
Rating current 45°C	18.39 A
Rating current 50°C	17.81 A
Rating current 55°C	17.22 A
Rating current 60°C	16.61 A
Rating current 65°C	15.98 A
Rating current 70°C	15.32 A

Dimensions

Depth of installed product	70 mm
Height of installed product	84.6 mm
Width of installed product	52.5 mm

Frequency

Frequency	50 to 60 Hz
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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
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Standards

Standard text	EN 60898-1 ; AS/NZS 60898-1
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Safety

Halogen free No

Use conditions

Operating temperature -25...70 °C

Degree of pollution according to IEC 60664 /
IEC 60947-2 2

Altitude 2000 m

Storage/transport temperature -25...80 °C

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Temperature of calibration 30 °C