



MDN320P

## MCB 3P 6kA D-20A 3M

### Technical properties

#### Electric current

Rated current	20 A
Rated current -15°C	23,98 A
Rated current -10°C	23,57 A
Rated current -5°C	23,16 A
Rated current at 0°C	22,73 A
Rated current 5°C	22,30 A
Rated current 10°C	21,86 A
Rated current 15°C	21,41 A
Rated current at 20°C	20,95 A
Rated current 25°C	20,48 A
Rated current 30°C	20 A
Rated current 35°C	19,48 A
Rated current at 40°C	18,94 A
Rated current at 45°C	18,39 A
Rated current at 50°C	17,81 A
Rated current 55°C	17,22 A
Rated current 60°C	16,61 A
Rated current 65°C	15,98 A
Rated current 70°C	15,32 A

#### Architecture

Type of pole	3P
Curve	D

#### Capacity

Number of modules	3
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#### Installation, mounting

Nominal tightening torque top terminal	2,80-2,80 Nm
Nominal tightening torque down terminal	2,80-2,80 Nm
Nominal tightening torque	2,80 - 2,80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

#### Main electrical attributes

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
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<b>Voltage</b>	
Rated operational voltage Ue	415 - 415 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6000 V
<b>Frequency</b>	
Frequency	50-60 Hz
<b>Connection</b>	
Cross-section of input and output with screws, for massive conductors	1-35 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1-25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1-25 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1-35 mm <sup>2</sup>
<b>Safety</b>	
Ingress Protection (IP) class	IP20
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25-70 °C
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
<b>Dimensions</b>	
Height	84,60 mm
Width	52,50 mm
Depth	70 mm