



MDN306P

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

### Technical properties

#### Electric current

Rated current	6 A
Rated current -15°C	7,35 A
Rated current -10°C	7,21 A
Rated current -5°C	7,07 A
Rated current at 0°C	6,93 A
Rated current 5°C	6,78 A
Rated current 10°C	6,63 A
Rated current 15°C	6,48 A
Rated current at 20°C	6,32 A
Rated current 25°C	6,16 A
Rated current 30°C	6 A
Rated current 35°C	5,81 A
Rated current at 40°C	5,61 A
Rated current at 45°C	5,41 A
Rated current at 50°C	5,19 A
Rated current 55°C	4,97 A
Rated current 60°C	4,74 A
Rated current 65°C	4,50 A
Rated current 70°C	4,24 A

#### Architecture

Type of pole	3P
Curve	D

#### Capacity

Number of modules	3
-------------------	---

#### Main electrical attributes

Rated short-circuit breaking capacity $I_{cn}$ AC according to IEC 60898-1	6 kA
Nominal tightening torque top terminal	2,80-2,80 Nm
Nominal tightening torque down terminal	2,80-2,80 Nm

#### Voltage

Rated operational voltage $U_e$	415-415 V
Type voltage supply	AC
Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	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>Installation, mounting</b>	
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
<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