



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

Similar image  
(Picture shows MSN320)

### Architecture

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

### Compatibility

Compatible with DIN rail mounting	yes
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### Connectivity

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

### Main electrical features

Type of supply voltage	AC
Rated operational voltage Ue	415 V

### Voltage

Rated insulation voltage	500 V
Max operating voltage	415 V
Rated impulse withstand voltage	4000 V

### Electric current

Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1	6 kA
Rated service breaking capacity Ics AC according IEC 60898-1	6 kA
Rated service breaking capacity Ics under 415V AC according IEC 60898-1	6 kA
Magnetic regulating current	5/10 In
min/maxi threshold value of the AC thermal operation	1,13/1,45 In

#### Electric current / temperature

Rating current -15°C	7,34 A
Rating current -20°C	7,46 A
Rating current 0°C	6,97 A
Rating current 10°C	6,72 A
Rating current -10°C	7,21 A
Rating current 15°C	6,6 A
Rating current 20°C	6,48 A
Rating current 25°C	6,36 A
Rating current -25°C	7,58 A
Rating current 30°C	6,23 A
Rating current 35°C	6,11 A
Rating current 40°C	6 A
Rating current 45°C	5,87 A
Rating current 5°C	6,85 A
Rating current -5°C	7,09 A
Rating current 50°C	5,73 A
Rating current 55°C	5,62 A
Rating current 60°C	5,5 A
Rating current 65°C	5,38 A
Rating current 70°C	5,25 A

#### Current correction factors

Correction factor of rating current for 2 devices placed 1 side-by-side	
Correction factor of rating current for 3 devices placed 0,95 side-by-side	
Correction factor of rating current for 4 and 5 devices 0,9 placed side-by-side	
Correction factor of rating current for 6 devices placed 0,85 side-by-side	

#### Power

Power loss per pole at In	1,28 W
Maximum power loss per pole according to the product standard	3 W
Total power loss under IN	3,82 W

#### Endurance

Electric endurance in number of cycles	4000
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 connection for modular devices	with screw
Tightening torque	2,8Nm
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	Blconnect
Bottom removability for modular devices	yes
Top removability for modular devices	no

### Connection

Upstream cage clamp delivery status	opened
Downstream cage clamp delivery status	opened
Connection cross-section at output with screw, for flexible conductor	1/25 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1/25 mm <sup>2</sup>
Connection cross-section at output with screw, for massive conductor	1/35 mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1/35 mm <sup>2</sup>
Nominal tightening torque bottom terminal	2,8 Nm
Nominal tightening torque top terminal	2,8 Nm

### Equipment

Can be accessorized	yes
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### Standards

Standard text	IEC 60898-1, AS/NZS 60898-1
European directive WEEE	not concerned

### Safety

Protection index IP	IP20
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### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 70 °C
Class of energy limitation I <sup>2</sup> t	3
Altitude	2000 m
Storage/transport temperature	-25 80 °C

### temperatur

Temperature of calibration	30 °C
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