



MCN200



## MCB 2P 6kA C-0.5A 2M

**Technical properties** 

Type of pole       2         Curve       1         Functions       1         Configuration       N         Number of modules       1         Connectivity       1         Top connection alignement for modular devices       Aligned termine         Bottom connection alignement for modular devices       Aligned termine         Main electrical features       1         Rated short circuit breaking capacity Icn AC according IEC60898-1       6 kc         Rated operational voltage Ue       400°         Type of supply voltage       Au         Prequency       50/60 H         Voltage       400°         Rated insulation voltage       500°         Rated current       0.5 -         Rated service breaking capacity Ics AC according IEC 60898-1       6 kc         Rated current       0.5 -         Rated service breaking capacity Ics AC according IEC 60898-1       6 kc         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       5 / 10 I         min/maxi threshold value of the DC mermal operation       7 / 15 I         min/maxi threshold value of the DC thermal operation       7 / 15 I         Sted Service breaking capacity Icn AC according IC Con ac	Number of protected poles	2
Curve	Number of poles	2 P
Functions         Concurrently switching N-neutral       N         Configuration          Number of modules          Connectivity          Top connection alignement for modular devices       Aligned terminal Bottom connection alignement for modular devices         Main electrical features       Aligned terminal Bottom connection alignement for modular devices         Main electrical features       Aligned terminal Bottom connection alignement for modular devices         Main electrical features          Rated short circuit breaking capacity Icn AC according IEC60989-1       6 k.         Rated operational voltage Ue       400 °         Type of supply voltage       A         Frequency       50/60 H         Voltage       400 °         Electric current          Rated insulation voltage       400 °         Electric current          Rated insulation voltage       500 °         Rated service breaking capacity Ics AC according IEC 60898-1       6 k.         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       5 / 10 I         min/maxi threshold value of the DC thermal operation       7 / 15 I         min/maxi threshold value of the DC thermal ope	Type of pole	2 P
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Configuration         Number of modules         Connectivity         Top connection alignement for modular devices         Bottom connection alignement for modular devices         Main electrical features         Rated short circuit breaking capacity Icn AC according IEC60898-1         Action of the provide Ue         Type of supply voltage         Frequency         Soldon         Voltage         Rated insulation voltage         Sated service breaking capacity Ics AC according IEC 60898-1         Consective treating capacity Ics AC according IEC 60898-1         Consective treating capacity Ics AC according IEC 60898-1         Consective treating capacity Ics AC according IEC 6089-1         Consective treating capacity Ics AC according IEC 6089-1         Main electric current         Rated service breaking capacity Ics AC according IEC 6089-1         According IEC 6089-1         Magnetic regulating current         S/101         mi/maxi threshold value of the AC thermal operation         min/maxi threshold value of the DC magnetic operation         min/maxi threshold value of the DC thermal operation         min/maxi threshold value of the DC thermal operation         min/maxi threshold value of the DC thermal operation         min/maxi threshold value of the DC therma	Functions	
Number of modules	Concurrently switching N-neutral	Nc
Connectivity         Top connection alignement for modular devices       Aligned terminal devices         Bottom connection alignement for modular devices       Aligned terminal devices         Main electrical features       Aligned terminal devices         Main electrical features       Aligned terminal devices         Rated short circuit breaking capacity Icn AC according IEC60898-1       6 k         Rated operational voltage Ue       400 °         Type of supply voltage       Au         Frequency       50/60 H         Voltage       400 °         Rated insulation voltage       500 °         Rated insulation voltage       500 °         Electric current       0.5 ·         Rated service breaking capacity Ics AC according IEC 60898-1       6 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 1         Magnetic regulating currrent       5 / 10 1         min/maxi threshold value of the DC magnetic operation       7 / 15 1         min/maxi threshold value of the DC thermal operation       1.13 / 1.45 1         Breaking capacity on 1 pole for IT 400V NF       3 k         Rated short circuit breaking capacity Icn       3 k	Configuration	
Top connection alignement for modular devices       Aligned terminal         Bottom connection alignement for modular devices       Aligned terminal <b>Main electrical features</b> Aligned terminal <b>Main electrical features</b> 6 ko         Rated short circuit breaking capacity Icn AC according IEC60898-1       6 ko         Rated operational voltage Ue       400 Voltage         Frequency       50/60 H <b>Voltage</b> 400 Voltage         Rated insulation voltage       50/60 H <b>Voltage</b> 400 Voltage         Rated service breaking capacity Ics AC according IEC 60898-1       6 ko         min/maxi threshold value of the AC thermal opperation       1.13 / 1.45 I         Magnetic regulating currrent       5 / 10 I         min/maxi threshold value of the DC mermal operation       7 / 15 I         min/maxi threshold value of the DC thermal operation       1.13	Number of modules	2
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Type of supply voltage A4 Frequency 50/60 H Voltage Rated insulation voltage 500 V Rated impulse withstand voltage 4000 V Electric current 0.5 / Rated current 0.5 / Rated service breaking capacity Ics AC according IEC 60898-1 6 k/ min/maxi threshold value of the AC thermal operation 1.13 / 1.45 I Magnetic regulating currrent 5 / 10 I min/maxi threshold value of the DC magnetic operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/ Rated short circuit breaking capacity Icn	Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Frequency       50/60 H         Voltage       500 °         Rated insulation voltage       500 °         Rated impulse withstand voltage       4000 °         Electric current       4000 °         Rated current       0.5 °         Rated service breaking capacity Ics AC according IEC 60898-1       6 k²         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating currrent       5 / 10 I         min/maxi threshold value of the DC magnetic operation       7 / 15 I         min/maxi threshold value of the DC thermal operation       1.13 / 1.45 I         Breaking capacity on 1 pole for IT 400V NF 60947-2       3 k         Rated short circuit breaking capacity Icn       3 k	Rated operational voltage Ue	400 \
Voltage         Rated insulation voltage       500 °         Rated impulse withstand voltage       4000 °         Electric current       4000 °         Rated current       0.5 /         Rated service breaking capacity Ics AC according IEC 60898-1       6 k/         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating currrent       5 / 10 I         min/maxi threshold value of the DC magnetic operation       7 / 15 I         min/maxi threshold value of the DC thermal operation       1.13 / 1.45 I         Breaking capacity on 1 pole for IT 400V NF 60947-2       3 k/         Rated short circuit breaking capacity Icn       3 k/	Type of supply voltage	AC
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Rated impulse withstand voltage       4000 N         Electric current       0.5 /         Rated current       0.5 /         Rated service breaking capacity Ics AC       6 k/         according IEC 60898-1       6 k/         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       5 / 10 I         min/maxi threshold value of the DC magnetic operation       7 / 15 I         min/maxi threshold value of the DC thermal operation       1.13 / 1.45 I         Breaking capacity on 1 pole for IT 400V NF 60947-2       3 k/         Rated short circuit breaking capacity Icn       3	Voltage	
Electric current       0.5 /         Rated current       0.5 /         Rated service breaking capacity Ics AC according IEC 60898-1       6 k/         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating currrent       5 / 10 I         min/maxi threshold value of the DC magnetic operation       7 / 15 I         min/maxi threshold value of the DC thermal operation       1.13 / 1.45 I         Breaking capacity on 1 pole for IT 400V NF 60947-2       3 k/         Rated short circuit breaking capacity Icn       3	Rated insulation voltage	500 \
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Rated service breaking capacity Ics AC         according IEC 60898-1       6 k/         min/maxi threshold value of the AC thermal       1.13 / 1.45 I         Magnetic regulating currrent       5 / 10 I         min/maxi threshold value of the DC       7 / 15 I         min/maxi threshold value of the DC thermal       1.13 / 1.45 II         Breaking capacity on 1 pole for IT 400V NF       3 k/         Rated short circuit breaking capacity Icn       10 I	Electric current	
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min/maxi threshold value of the DC magnetic operation 7 / 15 I min/maxi threshold value of the DC thermal operation 1.13 / 1.45 I Breaking capacity on 1 pole for IT 400V NF 60947-2 3 k/ Rated short circuit breaking capacity Icn	min/maxi threshold value of the AC thermal operation	1.13 / 1.45 lr
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60947-2 3 k/ Rated short circuit breaking capacity Icn	min/maxi threshold value of the DC thermal operation	1.13 / 1.45 lı
	Breaking capacity on 1 pole for IT 400V NF 60947-2	3 k/
		6 k/

Rated ultimate short-circuit breaking capa- city lcu under 400V AC IEC 60947-2	10 kA
Rated ultimate short-circuit breaking capa- city lcu under 415V AC IEC 60947-2	10 kA
Electric current / temperature	
Rating current -25°C	0.7 A
Rating current -20°C	0.7 A
Rating current -15°C	0.7 A
Rating current -10°C	0.6 A
Rating current -5°C	0.6 A
Rating current 0°C	0.6 A
Rating current 5°C	0.6 A
Rating current 10°C	0.6 A
Rating current 15°C	0.6 A
Rating current 20°C	0.5 A
Rating current 25°C	0.5 A
Rating current 30°C	0.5 A
Rating current 35°C	0.5 A
Rating current 40°C	0.5 A
Rating current 45°C	0.5 A
Rating current 50°C	0.5 A
Rating current 55°C	0.5 A
Rating current 60°C	0.5 A

0.5 A

0.5 A

## **Current correction factors**

Rating current 65°C

Rating current 70°C

Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	0.95
Correction factor of rating current for 4 and 5 devices placed side-by-side	0.9
Correction factor of rating current for 6 devices placed side-by-side	0.85
Correction factor of magnetic tripping with 100 Hz	1.1
Correction factor of magnetic tripping with 200 Hz	1.2
Correction factor of magnetic tripping with 400 Hz	1.5
Correction factor of magnetic tripping with 60 Hz	1
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	35 mm
Frequency	
Frequency	50 to 60 Hz

Total power loss under IN	2.2 W
Power loss per pole at In	1.1 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of Bottom Connection for modular devices	Blconnect
Connection	
Connection cross-sect. flexible conductor	1 / 25mm²
Connection cross-sect. rigid cable	1 / 35mm²
Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm²
Type of connection	with screw
Standards	
Standard text	EN 60898-1
Safety	
REACH conform	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-2570 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I²t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-2580 °C

## Identification

Aesthetic for B.G. Protection devices

PD