



MCB 4P 6/10kA C-50A 4M

Reference: NFN450
 EAN Code: 3250614628498
 Pack quantity: 3 Part
 Product price list: To be defined

Description

Technical information	Values
Breaking capacity	[6] - 10 kA
Breaking capacity on 1 pole with 230 V NF 60947-2	6 kA
Breaking capacity on 1 pole with 400 V NF 60947-2	3 kA
Class of energy limitation I ² t	3
Connection type (text)	With screw
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
Curve	C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Depth of installed product	70 mm
Device family	NFN
Electric endurance in number of cycles	4000
Frequency	50/60 Hz
Hager installation time	90 s
Hager wiring time	840 s
Height of installed product	83 mm
Installation time	90 s
Magnetic regulating current at 40° C	5 IN; 10 IN
Max operating voltage	415 V
Maximum downstream fuse rating aM for selectivity on DC	12 A
Maximum downstream fuse rating gL for selectivity on DC	20 A

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Technical information	Values
min/maxi threshold value of the AC thermal operation	1.13 IN; 1.45 IN
min/maxi threshold value of the DC magnetic operation	7 IN; 15 IN
min/maxi threshold value of the DC thermal operation	1.13 IN; 1.45 IN
Net weight of the product	490 g
Number of half-modules for the labelling field	8 ½ Mod
Number of mechanical operations	20000
Number of modules	4
Number of poles	4 P
Number of products in the packaging	3
Operating temperature	-25 °C to 60 °C
Position of the terminals	Aligned
Power loss per pole at In	5.4 W
Product group number for calculating the heating processes	1
Protection index IP	IP20
Quantity of half modules of 17,7mm	8 ½ Mod
Rated current	50 A
Rated current at 60°C in accordance with IEC947-2	45.9 A
Rated current at 65°C in accordance with IEC947-2	43.7 A
Rated current at 70°C in accordance with IEC947-2	41.38 A
Rated impulse withstand voltage	6000 V
Rated insulation voltage	500 V
Rated operational voltage Ue	415 V
Rated service breaking capacity Ics AC according IEC 60898-1	6 kA
Rated service breaking capacity Ics AC according IEC 60947-2	75 %
Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	10 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	6 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	20 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	10 kA
Rating current 10°C according to IEC 60947-2	62.14 A
Rating current -10°C according to IEC 60947-2	67.39 A
Rating current -15°C according to IEC 60947-2	68.64 A
Rating current 150°C according to IEC 60947-2	60.75 A
Rating current 20°C according to IEC 60947-2	59.34 A
Rating current -20°C according to IEC 60947-2	69.87 A

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Technical information	Values
Rating current 25°C according to IEC 60947-2	57.89 A
Rating current -25°C according to IEC 60947-2	71.08 A
Rating current 30°C according to IEC 60947-2	56.4 A
Rating current 35°C according to IEC 60947-2	54.87 A
Rating current 40°C according to IEC 60947-2	53.29 A
Rating current 45°C according to IEC 60947-2	51.67 A
Rating current 50°C according to IEC 60947-2	50 A
Rating current 55°C according to IEC 60947-2	47.99 A
Response time to the opening	7 ms
Series	GTE
Standard text	EN 60898-1
Tightening torque	2,8Nm
Top and bottom screw terminals connection capacity with flexible cable	1 mm ² to 25 mm ²
Top and bottom screw terminals connection capacity with rigid cable	1 mm ² to 35 mm ²
Total power loss under IN	20.3 W
Type of pole	4 P
Width of installed product	70 mm
Wiring time	840 s