

4



MCB 4P 6kA C-50A 4M

Technical characteristics

Number of protected poles

Architecture			

Number of poles	4 P
Type of pole	4 P

Curve	С

Functions

Concurrently switching N-neutral

Configuration

Number of modules	4

Connectivity

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

Dottom connection anglicinent for modala.	
devices	Aligned terminal

Main electrical features

Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Rated operational voltage Ue	230 / 400 V
Type of supply voltage	AC
Frequency	50/60 Hz

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V

Electric current

Rated current	50 A
Rated service breaking capacity lcs AC according IEC 60898-1	6 kA
min/maxi threshold value of the AC thermal	
operation	1.13 / 1.45 In
Magnetic regulating currrent	5 / 10 In
min/maxi threshold value of the DC	
magnetic operation	7 / 15 In
min/maxi threshold value of the DC thermal	
operation	1.13 / 1.45 In

operation	1.13 / 1.45 ln
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA

Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 6 kA

capacity Icu under 400V AC IEC 60947-2	10 k/
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	10 k/
Electric current / temperature	
Rating current -25°C	63.7
Rating current -20°C	62.5
Rating current -15°C	61.4
Rating current -10°C	60.2
Rating current -5°C	59.1
Rating current 0°C	57.9
Rating current 5°C	56.6
Rating current 10°C	55.4
Rating current 15°C	54.1
Rating current 20°C	52.8
Rating current 25°C	51.4
Rating current 30°C	50
Rating current 35°C	48.5
Rating current 40°C	47
Rating current 45°C	45.4
Rating current 50°C	43.7
Rating current 55°C	42
Rating current 60°C	40.2
Rating current 65°C	38.3
Rating current 70°C	36.3
Current correction factors	
Correction factor of rating current for 2 devices placed side-by-side	
Correction factor of rating current for 3 devices placed side-by-side	0.9
Correction factor of rating current for 4 and 5 devices placed side-by-side	0.
Correction factor of rating current for 6 devices placed side-by-side	0.8
Correction factor of magnetic tripping with 100 Hz	1.
Correction factor of magnetic tripping with 200 Hz	1.
Correction factor of magnetic tripping with 400 Hz	1.
Correction factor of magnetic tripping with 60 Hz	
Dimensions	
Depth of installed product	70 mr
Height of installed product	83 mr
Width of installed product	70 mr
Frequency	
Frequency	50 to 60 H

5.2 W
4000
20000
with screw
2,8Nm
Blconnect
1 / 25mm²
1 / 35mm²
1 / 35 mm²
1 / 25 mm²
with screw
EN 60898-1
No
Yes
No
-2570 °C
2
3
2000 m
for all climates
-2580 °C

PD

Aesthetic for B.G. Protection devices