MCB 4P 3kA C-20A 4M

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Number of protected poles	4
Number of poles	4 P
Type of pole	4 P
Curve	С

Connectivity

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

Main electrical features

Frequency	50/60 Hz
Rated short circuit breaking capacity Icn A IEC60898-1	C according 3 kA
Rated operational voltage Ue	230/400 V

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V

Electric current

Rated short circuit breaking capacity Icn under 400V	3 kA
AC according IEC60898-1	
Rated service breaking capacity Ics AC according IEC	3 kA
60898-1	
Breaking capacity on 1 pole with 400 V NF 60947-2	3 kA
Rated ultimate short-circuit breaking capacity Icu	4,5 kA
under 415V AC IEC 60947-2	
Magnetic regulating currrent at 40° C	5/10 ln
min/maxi threshold value of the DC magnetic	7/15 ln
operation	
min/maxi threshold value of the AC thermal operation	1,13/1,45 ln
min/maxi threshold value of the DC thermal operation	1,13/1,45 ln

Electric current / temperature

Rating current -15°C	23,9 A
Rating current -20°C	24,3 A
Rating current 0°C	22,7 A
Rating current 10°C	21,8 A
Rating current -10°C	23,5 A
Rating current 15°C	21,4 A
Rating current 20°C	20,9 A
Rating current 25°C	20,5 A
Rating current -25°C	24,6 A
Rating current 30°C	20 A
Rating current 35°C	19,5 A
Rating current 40°C	19 A
Rating current 45°C	18,5 A
Rating current 5°C	22,2 A
Rating current -5°C	23,1 A
Rating current 50°C	18 A



Technical Properties	
Rating current 55°C	17,5 A
Rating current 60°C	16,9 A
Rating current 65°C	16,4 A
Rating current 70°C	15,9 A
Current correction factors	
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
Correction factor of rating current for 2 devices placed	d 1
side-by-side	
Correction factor of rating current for 3 devices placed side-by-side	d 0,95
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	d 0,85
side-by-side	
Power	
Power loss per pole at In	2.97 W
Total power loss under IN	11,6 W
Total power loss under in	11,0 **
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	70 mm
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of bottom rail clip for modular devices	metallic
Type of top rail clip for modular devices	NA
Type of Bottom Connection for modular devices	Blconnect
Bottom removability for modular devices	no
Top removability for modular devices	no
Connection	
Connection cross-sect. rigid cable	1 / 35mm²
Connection cross-sect. rigid cable Connection cross-sect. flexible conductor	1 / 35mm² 1 / 25mm²
Connection cross-sect. flexible conductor Type of connection	
Connection cross-sect. flexible conductor	1 / 25mm²
Connection cross-sect. flexible conductor Type of connection Connection cross section of access and exit with screws, for flexible conductor	1 / 25mm² with screw
Connection cross-sect. flexible conductor Type of connection Connection cross section of access and exit with screws, for flexible conductor Connection cross-section of input and output with	1 / 25mm² with screw
Connection cross-sect. flexible conductor Type of connection Connection cross section of access and exit with screws, for flexible conductor	1 / 25mm² with screw 1/25 mm²

Standards

Standard text	EN 60898-1
European directive WEEE	concerned
Safety	
Protection index IP	IP20
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 70 °C
Class of energy limitation I²t	3
Altitude	2000 m
Storage temperature	-25 to 80 °C
Air humidity protection	for all climates
Storage/transport temperature	-25 80 °C