



NF463A

MCB 4P 6/10kA C-63A 4M

Technical properties

Type of pole 4 Curve Functions Functions N Concurrently switching N-neutral N Configuration N Number of modules Connectivity Top connection alignement for modular devices Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 6 k Rated operational voltage Ue 230 / 400 Type of supply voltage A Frequency 50/60 H Voltage A Voltage A 3 A Rated insulation voltage 500 600 4000 1000 1000 Electric current 63 8 8 6000 10000 1000 1000 1000 <th>Number of protected poles</th> <th></th>	Number of protected poles	
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	Breaking capacity on 1 pole for IT 400V NF 60947-2	3 k
	Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	6 k

Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	10 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	10 KA
Electric current / temperature	
Rating current -25°C	78.9 A
Rating current -20°C	77.6 A
Rating current -15°C	76.2 A
Rating current -10°C	74.9 A
Rating current -5°C	73.5 A

Rating current -20°C	/7.6 A
Rating current -15°C	76.2 A
Rating current -10°C	74.9 A
Rating current -5°C	73.5 A
Rating current 0°C	72.1 A
Rating current 5°C	70.7 A
Rating current 10°C	69.2 A
Rating current 15°C	67.7 A
Rating current 20°C	66.2 A
Rating current 25°C	64.6 A
Rating current 30°C	63 A
Rating current 35°C	61.4 A
Rating current 40°C	59.7 A
Rating current 45°C	57.9 A
Rating current 50°C	56.1 A
Rating current 55°C	54.3 A
Rating current 60°C	52.4 A
Rating current 65°C	50.7 A
Rating current 70°C	48.9 A

Current correction factors

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	70 mm
Frequency	
Frequency	50 to 60 Hz

Total power loss under IN	24.63 W
Power loss per pole at In	6.55 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Installation, mounting	
Type of top connection for modular devices	with screv
Tightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallio
Type of Bottom Connection for modular devices	Blconnec
Top removability for modular devices	No
Bottom removability for modular devices	Να
Connection	
Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm
Type of connection	with screv
Standards	
Standard text	EN 60898-2
Safety	
RoHS conform	Ye
Halogen free	Ν
Use conditions	
Operating temperature	-2570 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I ² t	3
Altitude	2000 m
Air humidity protection	for all climates
Storage/transport temperature	-2580 °C