



NRN306

MCB 3P 25kA C-6A 3M

Technical characteristics

Number of poles 3 F Type of pole 3 F Curve 0 Functions 0 Concurrently switching N-neutral No Configuration 0 Number of modules 3 Connectivity 3 Top connection alignement for modular devices Aligned termina Bottom connection alignement for modular devices Aligned termina Main electrical features 10 k/ Rated short circuit breaking capacity Icn AC according IEC60898-1 10 k/ Rated operational voltage Ue 415 V Type of supply voltage 400 V Voltage 415 V Rated insulation voltage 500 V Max operating voltage 415 V Rated insulation voltage 500 V Max operating voltage 415 V Rated service breaking capacity Ics AC according IEC 60898-1 7.5 k/ Rated insulation voltage 500 V Max operating voltage 415 V Rated insulation voltage 500 V Max operating voltage 5.7 k/ Rated insulation voltage 5.0 k/ R	Neutral position	without neutral
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operation 1.13 / 1.45 Ir Rating current -10°C according to IEC	min/maxi threshold value of the DC magnetic operation	5 / 15 In
	min/maxi threshold value of the DC thermal operation	1.13 / 1.45 lr
	Rating current -10°C according to IEC	

Rating current -15°C according to IEC 60947	8.33 A
Rating current -20°C according to IEC 60947	8.48 A
Rating current -25°C according to IEC 60947	8.63 A
Rating current -5°C according to IEC 60947	8.01 A
Rating current 0°C according to IEC 60947	7.85 A
Rating current 10°C according to IEC 60947	7.52 A
Rating current 15°C according to IEC 60947	7.35 A
Rating current 20°C according to IEC 60947	7.17 A
Rating current 25°C according to IEC 60947	6.99 A
Rating current 30°C according to IEC 60947	6.8 A
Rating current 35°C according to IEC 60947	6.61 A
Rating current 40°C according to IEC 60947	6.41 A
Rating current 45°C according to IEC 60947	6.21 A
Rating current 5°C according to IEC 60947	7.69 A
Rating current 50°C according to IEC 60947	6 A
Rating current 55°C according to IEC 60947	5.74 A
Rating current 60°C according to IEC 60947	5.48 A
Rating current 65°C according to IEC 60947	5.19 A
Rating current 70°C according to IEC 60947	4.9 A
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA
Breaking capacity on 1 pole for IT 415V NF 60947-2	3 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	10 kA
Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2	25 kA
Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2	25 kA
Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1	10 kA
Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1	10 kA
Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2	50 kA
Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2	25 kA
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	52.5 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Maximum power loss per pole according to the product standard	3 W
Total power loss under IN	4.06 W
Power loss per pole at In	1.36 W
Tripping	
Time of response when opening	7 ms
Endurance	4000
Electric endurance in number of cycles	20000
Number of mechanical operations	20000
Installation, mounting Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of top rail clip for modular devices	2,0NM
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	Biconnect
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
Suitable for flush-mounting	Yes
Connection	
Connection cross-section at output with screw, for flexible conductor	1 / 25 mm²
Connection cross-section at output with	1 / 35 mm²
screw, for massive conductor	1,00 1111
screw, for massive conductor Connection cross-section for rigid conductor, upstream terminals with screws	
Connection cross-section for rigid	1 / 35 mm²
Connection cross-section for rigid conductor, upstream terminals with screws Connection cross-section of the access with	1 / 35 mm ² 1 / 35 mm ² 1 / 25 mm ² opened

Equipment

Can be accessorized	Yes
Vith transparent product label holder	Yes
itandards	
itandard text	IEC 60947-2
uropean directive WEEE	concerned
Safety	
Protection index IP	IP20
REACH conform	No
RoHS conform	Yes
Jse conditions	
Operating temperature	-2570 °C
Degree of pollution according to IEC 60664 / EC 60947-2	2
Class of energy limitation I ² t	3
ltitude	2000 m
	for all climates
ir humidity protection	for an enflaces

Temperature of calibration

50 °C