

26.27 A



NRN420

## MCB 4P 25kA C-20A 4M

**Technical characteristics** 

Neutral position	without neutral
Number of protected poles	4
Number of poles	4 P
Type of pole	4 P
Curve	C
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	4
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	415 V
Type of supply voltage	AC
Voltage	
Rated insulation voltage	500 V
Max operating voltage	415 V
Rated impulse withstand voltage	6000 V
Electric current	
Rated current	20 A
Rated service breaking capacity Ics AC according IEC 60898-1	7.5 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	5 / 15 In
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 In
Rating current -10°C according to IEC	

Rating current -10°C according to IEC 60947

Rating current -15°C according to IEC 60947	26.72 A
Rating current -20°C according to IEC 60947	27.17 A
Rating current -25°C according to IEC 60947	27.61 A
Rating current -5°C according to IEC 60947	25.8 A
Rating current 0°C according to IEC 60947	25.33 A
Rating current 10°C according to IEC 60947	24.36 A
Rating current 15°C according to IEC 60947	23.86 A
Rating current 20°C according to IEC 60947	23.34 A
Rating current 25°C according to IEC 60947	22.82 A
Rating current 30°C according to IEC 60947	22.29 A
Rating current 35°C according to IEC 60947	21.74 A
Rating current 40°C according to IEC 60947	21.17 A
Rating current 45°C according to IEC 60947	20.6 A
Rating current 5°C according to IEC 60947	24.85 A
Rating current 50°C according to IEC 60947	20 A
Rating current 55°C according to IEC 60947	19.34 A
Rating current 60°C according to IEC 60947	18.65 A
Rating current 65°C according to IEC 60947	17.94 A
Rating current 70°C according to IEC 60947	17.2 A
Breaking capacity on 1 pole for IT 400V 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

1.2 1.5 1 70 mm 83 mm
70 mn
70 mn
83 mm
70 mm
50 to 60 H
4.5 W
10.87 W
2.74 W
7 ms
4000
20000
20000
with screw
20000 with screw 2,8Nm
with screw 2,8Nm NA
with screv 2,8Nm NA plastic
with screv 2,8Nm NA plastic Blconnec
with screv 2,8Nm N/ plastic Blconnect Yes
with screw 2,8Nm NA plastic Blconnect Yes
with screw 2,8Nm NA plastic Blconnect Yes
with screv 2,8Nm N/ plastic Blconnect Yes Yes
with screw 2,8Nm N/ plastic Blconnec Yes Yes 1 / 25 mm
with screv 2,8Nm N/ plastic Blconnect Yes Yes 1 / 25 mm 1 / 35 mm
with screv 2,8Nm N/ plastic Blconnect Yes Yes 1 / 25 mm 1 / 35 mm 1 / 35 mm
with screw 2,8Nm

## Equipment

Standards	
Standard text	IEC 60947-2
Safety	
REACH conform	Να
RoHS conform	Yes
Halogen free	No
	-2570 °C
Use conditions Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2	-2570 °C
Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2	
Operating temperature Degree of pollution according to IEC 60664 / IEC 60947-2 Class of energy limitation I <sup>2</sup> t	:
Operating temperature Degree of pollution according to IEC 60664 /	

50 °C

## temperatur

Temperature of calibration