



NRN440



MCB 4P 20kA C-40A 4M

Technical properties

Architecture

Neutral position	without neutral
Number of protected poles	4
Number of poles	4 P
Type of pole	4 P
Fixing mode	Din-Rail
Curve	C

Functions

Concurrently switching N-neutral	No
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Configuration

Number of modules	4
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Connectivity

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

Main electrical features

Rated operational voltage U_e	415 V
Type of supply voltage	AC
Frequency	50/60 Hz

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V
Minimum threshold voltage (U_e min)	12 V

Electric current

Rated current	40 A
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 I_n
Magnetic regulating current	5 / 10 I_n
min/maxi threshold value of the DC magnetic operation	5 / 15 I_n
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 I_n
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 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	70 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Total power loss under I _N	15 W
Power loss per pole at I _N	4.28 W
Endurance	
Electric endurance in number of cycles	4000
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	NA
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
Connection	
Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm ²
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm ²
Equipment	
With transparent product label holder	Yes
Standards	
Standard text	IEC 60947-2

Safety

Protection index IP	IP20
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Use conditions

Operating temperature	-25...70 °C
Class of energy limitation I ² t	3
Altitude	2000 m
Storage/transport temperature	-25...80 °C