



NRN432

## MCB 4P 20kA C-32A 4M

### Technische Merkmale

#### 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

#### Controls and indicators

With fault indicator	no
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#### Connectivity

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

#### Main electrical features

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

#### Voltage

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

#### Electric current

Breaking capacity on 1 pole with 400 V NF 60947-2	3 kA
Magnetic regulating current at 40° C	5/10 $I_n$
min/maxi threshold value of the DC magnetic operation	5/15 $I_n$
min/maxi threshold value of the AC thermal operation	1,13/1,45 $I_n$
min/maxi threshold value of the DC thermal operation	1,13/1,45 $I_n$

**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 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

**Power**

Power loss per pole at In	4,42 W
Total power loss under IN	16,5 W

**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	plastic
Type of top rail clip for modular devices	NA
Type of Bottom Connection for modular devices	Bconnect
Bottom removability for modular devices	yes
Top removability for modular devices	yes

**Connection**

Type of connection	with screw
Connection cross section of access and exit with screws, for flexible conductor	1/25 mm <sup>2</sup>
Connection cross-section of input and output with screws, for massive conductors	1/35 mm <sup>2</sup>

**Standards**

Standard text	IEC 60947-2
European directive WEEE	concerned

**Safety**

Protection index IP	IP20
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**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Operating temperature	-25 ... 70 °C
Class of energy limitation I <sup>2</sup> t	3
Altitude	2000 m
Storage temperature	-25 to 80 °C
Air humidity protection	for all climates
Storage/transport temperature	-25 ... 80 °C