



MBN410

MCB 4P 6kA B-10A 4M

Technical properties

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AI	rcn	пте	CTL	ıre

Number of protected poles	4
Number of poles	4 P
Curve	В
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
devices	/ iligiled terrillidi
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	6 kA
Rated operational voltage Ue	230 / 400 V
Type of supply voltage	AC
Frequency	50/60 Hz
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	4000 V
Electric current	
Rated current	10 A
Rated service breaking capacity Ics AC according IEC 60898-1	6 kA
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 ln
Magnetic regulating currrent	3 / 5 In
min/maxi threshold value of the DC magnetic operation	4 / 7 In
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 In
Breaking capacity on 1 pole for IT 400V NF 60947-2	3 kA
Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1	6 kA

Rating current -20°C Rating current -10°C Rating current -5°C Rating current 0°C Rating current 0°C Rating current 5°C Rating current 10°C Rating current 10°C Rating current 10°C Rating current 20°C Rating current 20°C Rating current 20°C Rating current 30°C Rating current 30°C Rating current 40°C Rating current 40°C Rating current 50°C Rating current 50°C Rating current 50°C Rating current 60°C Rating current 60°C Rating current 60°C Current correction factors Correction factor of rating current for 2 deevices placed side-by-side Correction factor of rating current for 3 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of rating current for 6 devices placed side-by-side Correction factor of magnetic tripping with 100 Hz Correction factor of magnetic tripping with 400 Hz Correction factor of magnetic tripping with 60 Hz Dimensions Depth of installed product Height of installed product	10 k
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A00 Hz Correction factor of magnetic tripping with 60 Hz Dimensions Depth of installed product Height of installed product Width of installed product	1.
Dimensions Depth of installed product Height of installed product Width of installed product	1.
Depth of installed product Height of installed product Width of installed product	
Height of installed product Width of installed product	
Width of installed product	70 mn
	83 mr
Frequency	70 mr
Frequency 50 to	60 H

Power	
Total power loss under IN	7.8 W
Power loss per pole at In	2 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 Bottom Connection for modular devices	Blconnect
Connection	
Connection cross-section of input and output with screws, for massive conductors	1 / 35 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 25 mm²
Type of connection	with screw
Standards	
Standard text	EN 60898-1
Safety	
Protection index IP	IP20
REACH conform	No
RoHS conform	Yes
Halogen free	No
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
Air humidity protection	fo

-25...80 °C

Storage/transport temperature