



HMX440

MCB 4P 50kA C-40A 6M

Product Datasheet

Architecture

4
4 P
4 P
С

Functions

Concurrently switching N-neutral	no
ouriounity or mountain	

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

Voltage

Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V



Electric current

0,95 0,9 0,85
0,95
0,95
1
50 kA
50 kA
50 kA
50 kA
50 %
4,5 kA
4,5 kA
50 kA
7,16 A
9,69 A
2,02 A
4,19 A
5,23 A
1,05 A
3,16 A
40 A
1,76 A
3,44 A
5,07 A
5,63 A
3,15 A
9,62 A
2,44 A
3,79 A
3,89 A
7,66 A
56,4 A
5,11 A
10 ln
1,3 In
40 A
1, 5,1 5,6 3,8 3,7 2,4



Power	
Total power loss under IN	14,17 W
Power loss per pole at In	3,58 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	90 mm
Width of installed product	106 mm
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	3,5 to 5Nm
Type of top rail clip for modular devices	Plastic
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	with screw
Top removability for modular devices	yes
Bottom removability for modular devices	yes
360° product mounting position	yes
Connection Connection cross-section at output with screw, for	1 / 50 mm²
flexible conductor	
Connection cross-section at output with screw, for massive conductor	1 / 70 mm²
Connection cross-sect. flexible conductor	50mm²
Connection cross-sect. rigid cable	70mm²
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 70 mm²
Connection cross-section of the access with screws, with flexible conductor	1 / 50 mm²
Connection cross-section of input and output with screws, for massive conductors	1 / 70 mm²
Connection cross section of access and exit with screws, for flexible conductor	1 / 50 mm²
Type of connection	terminal with tightening compensation system
Nominal tightening torque bottom terminal	3,6 Nm
Nominal tightening torque top terminal	3,6 Nm
Standards	
Standard text	IEC 60947-2
European directive WEEE	concerned
Product categories described in the W3E directive 2012/19/EU	Category 5
Safety	
Protection index IP	IP20



Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
Class of energy limitation I ² t	3
Altitude	2000 m
Air humidity protection	for all climates
temperatur	
Temperature of calibration	40 °C