



MLN740A

MCB 1P+N 6kA C-40A 1M

Technical characteristics

Architecture

Type of pole	1P+N
Curve	C

Electric current

Rated current	40 A
Rated service breaking capacity Ics AC according to IEC 60898-1	6 kA
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Min./max. threshold value of the DC thermal operation	1.13 - 1.45 A
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	0.90
Correction factor of rating current for 6 devices placed side by side	0.85

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Nominal tightening torque down terminal	1.90 - 1.90 Nm
Nominal tightening torque top terminal	1.90 - 1.90 Nm

Voltage

Rated operational voltage Ue	230 - 240 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4,000 V
Max. operating voltage	253 V
Overvoltage category according to IEC 60947-1	3

Frequency

Frequency	50 - 60 Hz
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Capacity

Number of modules	1
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Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	1.90 - 1.90 Nm
Power	
Total power loss under IN	7.10 W
Use conditions	
Operating temperature	-25 - 70 °C
Max. Altitude	2,000 m
Endurance	
Electric endurance in number of cycles	1,000
Number of mechanical operations	20,000
Safety	
Ingress Protection (IP) class	IP20
Connectivity	
Type of connection	Screw terminal
Top connection alignment for modular devices	Shifted terminal
Down connection alignment for modular devices	Shifted terminal
Connection	
Cross-section of input with screws, for massive conductors	1 - 25 mm ²
Cross-section of input with screws, for flexible conductors	1 - 16 mm ²
Dimensions	
Height	84.70 mm
Width	17.50 mm
Depth	70 mm