



Product type designationP1 MBNumber of poles4PNumber of DIN modules4ComplianceIEC / UL1077Electrical featuresVRated insulation voltage Ui IEC/ENV440Rated operational voltage AC (IEC)VAC230/400Rated frequencyHz50/60Rated current (In)A2Tripping curveBShort circuit rating (IEC)KAPower dissipation per pole maxW0.96Ambient conditionsOperating temperaturemin°C-40 max°C+70	Product designation			Miniature circuit breaker (MCB)
Number of DIN modules 4P Number of DIN modules 4 Compliance IEC / UL1077 Electrical features V 440 Rated insulation voltage UI IEC/EN V 4 Rated insulation voltage UI IEC/EN V 4 Rated operational voltage UI IEC/EN VV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 2 Rated current (In) A 2 Tripping curve B Short circuit rating (IEC) KA 10 Electrical Ife cycles 10000 Power dissipation per pole max W 0.96 Ambient conditions W 0.96 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 max °C +40 Max altitude min Nm 2.000 min Nm 2.000	Product type designation			· · ·
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Electrical features V 440 Rated insulation voltage Uilmp KV 4 Rated insulation voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated current (In) A 2 Tripping ouve Bott circuit rating (IEC) KA 10 Electrical life Cover dissipation per pole max W 0.96 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude max °C +70 Storage temperature min °C +40 Max altitude max °C +40 max °C +40 Max altitude min max °C +40 min 1/2 +70 Storage temperature 90000 Storage temperature	•			
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Rated impulse withstand voltage Uimp kV 4 Rated operational voltage AC (IEC) VAC 230/400 Rated operational voltage AC (IEC) VAC 230/400 Rated current (In) A 2 Tripping curve B 50/60 Short circuit rating (IEC) kA 10 Electrical Iffe cycles 10000 Power dissipation per pole max W 0.96 Ambient conditions W 0.96 Operating temperature min °C +40 max °C +70 Storage temperature min °C +40 Max altitude m 20000 Mechanical features min °C +40 Max altitude m m 2 40 max °C +40 Max altitude m m °C +40 max ************************************	Electrical features			
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Rated frequency Hz 50/60 Rated current ((n) A 2 Tripping curve B Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 0.96 Ambient conditions Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude max °C +80 Max *70 Storage temperature min °C -40 max °C +80 Max altitude max °C +80 max °C +80 Machanical features min °C +80 max max Nm 18 max Nm 12 18 10 17 13 13 13 13 13 13 13 14 max 16 17.7 15 16 17.7 15 16 16 16<	Rated impulse withstand voltage Uimp		kV	4
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Tripping curve B Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 0.96 Ambient conditions W 0.96 Operating temperature min °C -40 max °C +70 Storage temperature min °C -40 Max altitude max °C +80 Max altitude max °C +80 Max altitude max °C +80 Mechanical features 0000 0000 0000 Mechanical features 0000 35mm DIN rail 18 Tightening torque for terminals min Nm 1.8 max Ibin 17.7 16 Terminals tool Pz 2 2 2 Conductor section IEC min min 14 max 6 460 14 14 Mechanical life cycles <td>Rated frequency</td> <td></td> <td>Hz</td> <td>50/60</td>	Rated frequency		Hz	50/60
Short circuit rating (IEC) kA 10 Electrical life cycles 10000 Power dissipation per pole max W 0.96 Ambient conditions 0 0 Operating temperature min °C -40 max °C +70 5 Storage temperature min °C -40 Max altitude m 2000 max °C +80 Max altitude m 2000 max °C +80 Mechanical features 0 0 9 460 10 10 16 17.7 Terminals tool max Nm 1.8 max Nm 2 min 10in 16 17.7 Terminals tool max Nm 2 10 17.7 17.7 16 17.7 17.7 16 17.7 17.7 16 17.7 16 17.7 17.7 17.7 17.7 16 17.7 17.7 16 <td>Rated current (In)</td> <td></td> <td>А</td> <td>2</td>	Rated current (In)		А	2
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Conductor section IEC min mm² 1 max mm² 35 AWG/Kcmil min 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20		max	Ibin	17.7
IEC min mm² 1 max mm² 35 AWG/Kcmil min 14 max 6 Mechanical life cycles 20000 Weight g 460 Frontal IP degree IP20	Terminals tool			Pz 2
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min max14 6Mechanical lifecycles20000Weightg460Frontal IP degreeIP20		max	mm²	35
max6Mechanical lifecycles20000Weightg460Frontal IP degreeIP20	AWG/Kcmil			
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Frontal IP degree IP20	Mechanical life		cycles	20000
	Weight		g	460
Pollution degree 2				
	Pollution degree			2

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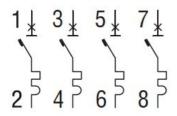


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MINIATURE CIRCUIT BREAKER, 4P - 10KA. 4 MODULES, CHARACTERISTIC B, 2A

ENERGY AND AUTOMATION Grid distance as per Annex H.1 of IEC/EN60898-1 standard mm 60 Dimensions - 60 (2.36") 72 max (2.83" max) 45 (1.77" \bigcirc 0 0 max 5 max 40" ma) Г Г Г Г 38" \bigcirc 35 0 0 5.52 (0.22") 74 max (2.91" max)

Wiring diagrams



Certifications and compliance Compliance CSA C22.2 n°235. UR "UL Recognized" per Canada e USA. IEC/EN 60898-1 IEC/EN 60947-2 UL 1077 Certifications cURus EAC TÜV-Rheinland ETIM classification EC000042 -

Miniature circuit breaker (MCB)

ETIM 8.0

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