

Product datasheet

Specifications



24056-SE

M9 - C60N - MCB - 1P - 50A - B Curve

M9F10150

Main

Range	M9
Product name	C60
Product or component type	Miniature circuit-breaker
Device short name	C60N
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	50A at 30°C conforming to IEC 60898-1
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	15 kA Icu at ≤ 60 V DC conforming to IEC/EN 60947-2 10 kA Icu at 230...240 V AC conforming to IEC/EN 60947-2 3 kA Icu at 400...415 V AC conforming to IEC/EN 60947-2 6000 A Icn at 230/400 V AC 50/60 Hz conforming to IEC/EN 60898-1
Utilization category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes. Conforming to IEC 60947-2
Standards	IEC 60947-2 IEC 60898-1

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	≤ 60 V DC 230...240 V AC 50/60 Hz 230/400 V AC 50/60 Hz 400...415 V AC 50/60 Hz 440 V AC 50/60 Hz
Limitation class	3 conforming to IEC 60898

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[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC/EN 60947-2		
Magnetic tripping limit	IEC 60898-1:	3...5 x In	
	IEC 60947-2:	in a.c.	4 x In (±20%)
		in d.c.	5.7 x In (±20%)
[Ics] rated service breaking capacity	15 kA 100% of Icu at ≤ 60 V DC conforming to IEC/EN 60947-2 7.5 kA 75% of Icu at 240 V AC conforming to IEC/EN 60947-2 2.25 kA 75% of Icu at 415 V AC conforming to IEC/EN 60947-2 6000 A 100% of Icn at 230/400 V AC 50/60 Hz conforming to IEC/EN 60898-1		
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC/EN 60947-2		
Contact position indicator	Yes		
Control type	Toggle		
Local signalling	ON/OFF indication		
Mounting mode	Clip-on		
Mounting support	35 mm symmetrical DIN rail		
9 mm pitches	2		
Height	81 mm		
Width	18 mm		
Depth	72 mm		
Product weight	120 gr		
Color	Grey		
Mechanical durability	20,000 cycles		
Electrical durability	10,000 cycles		
Provision for padlocking	Padlockable		
Connections - terminals	Tunnel type terminal (top or bottom) 1.5...16 mm ² - rigid		
	Tunnel type terminal (top or bottom) 1.5...16 mm ² - flexible		
	Tunnel type terminal (top or bottom) 1.5...16 mm ² - flexible with ferrule		
Wire stripping length	14 mm top or bottom connection		
Tightening torque	3.5 N.m top or bottom		
Earth-leakage protection	Separate add-on block		

Environment

Heat dissipation	4.8 W at 240 V - 50 A
IP degree of protection	IP20 conforming to IEC 60529
	IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 conforming to IEC/EN 60947-2
Overvoltage category	IV
Tropicalization	2 conforming to IEC 60068-1
Relative humidity	95% at 55 °C
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

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Ordering and shipping details

GTIN	6267377140560
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Packing Units

Unit type of package 1	BB1
Number of units in package 1	12
Package 1 height	7.8 cm
Package 1 width	8.7 cm
Package 1 length	22 cm
Package 1 weight	1.5 kg
Unit type of package 2	GB1
Number of units in package 2	120
Package 2 height	31.5 cm
Package 2 width	26.5 cm
Package 2 length	28 cm
Package 2 weight	16.5 kg

Contractual warranty

Guarantee	Lifetime
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