Product datasheet

Specifications



24355-SE

M9 - C60N - MCB - 3P - 50A - C Curve

M9F11350

Main

Range	M9
Product name	M9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60N
Device application	Distribution
Poles description	3P
Number of protected poles	3
[In] rated current	50A at 30°C conforming to IEC 60898-1
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	30 kA Icu at ≤ 125 V DC conforming to IEC/EN 60947-2 20 kA Icu at 230...240 V AC conforming to IEC/EN 60947-2 10 kA Icu at 400…415 V AC conforming to IEC/EN 60947-2 6 kA Icu at 440 V AC conforming to IEC/EN 60947-2 6000 A Icn at 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	≤ 125 V DC 230…240 V AC 50/60 Hz 400 V AC 50/60 Hz 415 V AC 50/60 Hz 440 V AC 50/60 Hz

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Limitation class	3 conforming to IEC 60898		
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC/EN 60947-2		
Limitation class	IEC 60898-1:		5…10 x In
	IEC 60947-2:	in a.c.	8 x In (±20%)
		in d.c.	12 x In (±20%)
[Ics] rated service breaking capacity	30 kA 100% of Icu at ≤ 125 V DC conforming to IEC/EN 60947-2 15 kA 75% of Icu at 230...240 V AC conforming to IEC/EN 60947-2 7.5 kA 75% of Icu at 400...415 V AC conforming to IEC/EN 60947-2 4.5 kA 75% of Icu at 440 V AC conforming to IEC/EN 60947-2 6000 A 100% of Icn at 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	6		
Height	81 mm		
Width	54 mm		
Depth	73 mm		
Product weight	360 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 mm2 - rigid Tunnel type terminal (top or bottom) 1.5…16 mm2 - flexible Tunnel type terminal (top or bottom) 1.5…16 mm2 - 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	14.4 W at 415 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

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Relative humidity	95% at 55 °C
Ambient air temperature for operation	-30…70 °C
Ambient air temperature for storage	-40…80 °C

Ordering and shipping details

GTIN	6267377143554

Packing Units

Unit type of package 1	BB1
Number of units in package 1	4
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	40
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