

# Product datasheet

Specifications



## Miniature circuit-breaker, C120N, 3P, 100 A, D curve

18388

! Discontinued on: 17 November 2014

! Discontinued - Service only

### Main

Range of product	C120
Range	Multi 9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120N
Device application	Distribution
Poles description	3P
Number of protected poles	3
[In] rated current	100 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	10000 A Icn at 230...400 V AC 50/60 Hz conforming to IEC 60898-1 10 kA Icu at 400...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 6 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 230...400 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 375 V DC conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2

### Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	440 V AC 50/60 Hz 230...400 V AC 50/60 Hz 400...415 V AC 50/60 Hz <= 375 V DC
Magnetic tripping limit	10...14 x In
[Ics] rated service breaking capacity	7500 A 75 % conforming to IEC 60898-1 - 230...400 V AC 50/60 Hz 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 15 kA 75 % conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz
Limitation class	3 conforming to IEC 60898-1
Contact position indicator	Yes
Control type	Toggle

<b>Local signalling</b>	ON/OFF indication
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	35 mm symmetrical DIN rail
<b>Comb busbar and distribution block compatibility</b>	NO
<b>9 mm pitches</b>	9
<b>Height</b>	81 mm
<b>Width</b>	81 mm
<b>Depth</b>	73 mm
<b>Net weight</b>	0.615 kg
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	5000 cycles conforming to IEC 60947-2
<b>Connections - terminals</b>	Tunnel type terminals 1...50 mm <sup>2</sup> rigid Tunnel type terminals 1.5...35 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	15 mm
<b>Tightening torque</b>	3.5 N.m
<b>Earth-leakage protection</b>	Separate block

## Environment

<b>Standards</b>	IEC 60898-1 EN/IEC 60947-2
<b>Product certifications</b>	GOST
<b>Quality labels</b>	NF
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Pollution degree</b>	3 conforming to IEC 60947-2
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative humidity</b>	95 % at 55 °C
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Package 1 Weight</b>	0.586 kg
<b>Package 1 Height</b>	0.740 dm
<b>Package 1 width</b>	0.800 dm
<b>Package 1 Length</b>	0.850 dm

## Contractual warranty

<b>Warranty</b>	18 months
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