



Main

Device application	Distribution
Range of product	Acti 9
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Product name	IDPN-K
Product or component type	Miniature circuit-breaker
Device short name	IDPNa-K
Poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	6 A (Tref=30 °C)
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	Icn=4.5 kA (230 V AC, 50/60 Hz, conforming to IEC 60898-1)
Utilisation category	Category A (conforming to IEC 60947-2)
Suitability for isolation	Yes (conforming to IEC 60947-2)

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V, AC 50/60 Hz
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	Ics=4.5 kA, (Ics=100 %Icn/Icu, conforming to IEC 60898-1), 230 V AC, 50/60 Hz
Limitation class	3 conforming to IEC 60898-1
[Ui] rated insulation voltage	400 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	4 kV (conforming to IEC 60947-2)
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	2
Height	89.6 mm
Width	18 mm
Depth	74 mm
Product weight	122 g
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Connections - terminals	Rigid, without cable end: 1...16 mm ² . (tunnel type terminals, top or bottom) Flexible, with or without cable end: 1...16 mm ² . (tunnel type terminals, top or bottom)
Wire stripping length	14 mm power circuit
Tightening torque	2 N.m power circuit
Earth-leakage protection	Without

Environment

Standards	IEC 60898-1 GB 10963.1
Product certifications	CCC CE
IP degree of protection	IP20 (conforming to IEC 60529)
Pollution degree	2 (conforming to IEC 60947-2)
Tropicalisation	2 (conforming to IEC 60068-1)
Relative humidity	95 % 55 °C
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1111 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations