

Main

Device application	Distribution
Range of product	Acti 9
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Product name	IDPN
Product or component type	Miniature circuit-breaker
Device short name	IDPNK2
Poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	40 A (Tref=30 °C)
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	Icn=6 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=6 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	500 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 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	4
Height	94 mm
Width	36 mm
Depth	78.5 mm
Product weight	250 g
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Flexible, with or without cable end: 1...25 mm². (tunnel type terminals, top or bottom) Rigid, without cable end: 1...35 mm². (tunnel type terminals, top or bottom)
Wire stripping length	14 mm power circuit
Tightening torque	2.5 N.m power circuit
Earth-leakage protection	Separate block

Environment

Standards	IEC 60898-1 GB 10963.1
Product certifications	CCC CE
IP degree of protection	IP20 (conforming to IEC 60529)
Pollution degree	3 (conforming to IEC 60947-2)
Tropicalisation	2 (conforming to IEC 60068-1)
Relative humidity	95 % 55 °C
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-40...85 °C

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1026 - Schneider Electric declaration of conformity