

A9D32616

earth leakage circuit breaker iDPN N Vigi - 1P + N - 16A - 30mA class A



Main

Device application	Distribution
Range	Acti 9
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Product name	IDPN Vigi
Device short name	IDPN N Vigi
Poles description	1P + N
Neutral position	Left
Number of protected poles	1
[In] rated current	16 A
Network type	AC
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Class A
Breaking capacity	Icn 6000 A at 230 V AC 50 Hz conforming to EN/IEC 61009-1 Icn 6000 A at 230 V AC 50 Hz conforming to EN/IEC 61009-2-1
Suitability for isolation	Yes conforming to IEC 60947-1

Complementary

Device location in system	Outgoer
Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz
Trip unit technology	Thermal-magnetic
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage independent
[Ics] rated service breaking capacity	6000 A at 230 V AC 50 Hz conforming to EN/IEC 61009-1 6000 A at 230 V AC 50 Hz conforming to EN/IEC 61009-2-1
Limitation class	3 conforming to EN/IEC 61009-1 3 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	400 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting support	DIN rail
Comb busbar distribution block compatibility	YES top or bottom :
Connection pitch	
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	73 mm
Product weight	125 g
Colour	White

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Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Sealable Padlock in on or off position
Connections - terminals	Single terminal 1...16 mm ² rigid Single terminal 1...10 mm ² flexible with cable end Single terminal 1...10 mm ² flexible without cable end
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Integrated

Environment

standards	EN/IEC 61009-1 EN/IEC 61009-2-1
product certifications	VDE VDE RCM KEMA
IP degree of protection	IP20 conforming to IEC 60529
pollution degree	3
overvoltage category	III conforming to IEC 60364
electromagnetic compatibility	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-1 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1
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...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1214 - 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