



### Main

Circuit breaker application	Distribution
Range	Acti 9
Product name	iDif K
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iDif K
Poles description	1P + N
[In] rated current	32 A at 30 °C
Curve code	C
Earth-leakage sensitivity	30 mA
Breaking capacity	Icn : 4500 A - 230/240 V - AC at 50 Hz

### Complementary

Neutral position	Left
Number of protected poles	1
Network type	AC
Network frequency	50 Hz
[Ue] rated operational voltage	Ue: 230/240 V - AC at 50 Hz
Trip unit technology	Thermal-magnetic
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
[Icw] rated short-time withstand current	Icw: 250 A during 8/20 µs impulse withstand
Electrical insulation class	Class II
Limitation class	3
[Ui] rated insulation voltage	Ui: 400 V - AC at 50 Hz
[Uimp] rated impulse withstand voltage	Uimp: 4 kV
Suitability for isolation	Yes
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication

Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	YES
9 mm pitches	2
Height	93 mm
Width	18 mm
Depth	70 mm
Product weight	136 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Locking options description	By padlocks
Connections - terminals	Screw clamp terminal connection on upstream - 1...16 mm <sup>2</sup> - rigid Screw clamp terminal connection on upstream - 1...16 mm <sup>2</sup> - flexible Screw clamp terminal connection on downstream - 1...10 mm <sup>2</sup> - rigid Screw clamp terminal connection on downstream - 1...10 mm <sup>2</sup> - flexible
Wire stripping length	14 mm on upstream of 11 mm on downstream of
Tightening torque	2 N.m on upstream of 2 N.m on downstream of
Earth-leakage protection	Integrated

## Environment

Standards	IEC 61009-1 IEC 61009-2-2
Product certifications	SNI
IP degree of protection	IP20
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-30...70 °C