

# Product data sheet

## Characteristics

# A9L1H325

Surge arrester with pluggable cartridge, Acti9 iPRD1 25r, 3P, 25kA, type 1+2, with remote monitoring



### Main

Range of product	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD1 25r
Device application	Distribution
Standards	IEC 61643-11:2011 EN 61643-11:2012 EN 61643-11:2018/A11
Product certifications	CE
Quality labels	VDE
Poles description	3P
Remote signalling	With
Surge arrester type	Electrical distribution network
Earthing system	TN-C

### Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	400 V AC at 50/60 Hz
[In] nominal discharge current	25 kA
[Imax] maximum discharge current	65 kA
[Iimp] impulse current	25 kA 12.5 A.s
[Uc] maximum continuous operating voltage	300 V
Maximum [Up] voltage protection level	<1.5 kV
[Ut] temporary overvoltage	442 V 120 min withstand
[Isccr] short-circuit current rating	50 kA
Disconnector device type	Fusible disconnect gG 315 A
Local signalling	Operating state: flag (green) Fault indication: flag (red)
Signalling circuit voltage	1 A/250 V AC 1 A/125 V AC 0.5 A/48 V DC 0.5 A/24 V DC 0.5 A/12 V DC
Mounting mode	Clip-on (DIN rail)
9 mm pitches	12
Height	105 mm
Width	108.3 mm
Depth	86 mm
Net weight	868 g
Quantity per set	Set of 1
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 100 ns

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Cable cross section	0.25...1.5 Mm <sup>2</sup> solid cable for remote control 6...35 Mm <sup>2</sup> solid stranded cable for power terminals 6...25 Mm <sup>2</sup> flexible cable for power terminals 16...35 Mm <sup>2</sup> solid stranded cable for earthing terminal 16...25 mm <sup>2</sup> flexible cable for earthing terminal
Wire stripping length	Remote control: 10 mm Power terminals: 18 mm Earthing terminal: 18 mm
Tightening torque	Power circuit: 4.5 N.m

## Environment

IP degree of protection	IP20 with cartridges fitted and device wired
IK degree of protection	IK05
Relative humidity	5...95 %
Operating altitude	0...4000 m
Ambient air temperature for operation	-40...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13 cm
Package 1 Width	12.3 cm
Package 1 Length	13.4 cm
Package 1 Weight	990 g
Unit Type of Package 2	S02
Number of Units in Package 2	4
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.275 kg
Unit Type of Package 3	P12
Number of Units in Package 3	128
Package 3 Height	750 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	148.8 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<input checked="" type="checkbox"/> <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> <a href="#">EU RoHS Declaration</a>
China RoHS Regulation	<input checked="" type="checkbox"/> <a href="#">China RoHS Declaration</a>
RoHS exemption information	<input checked="" type="checkbox"/> Yes
Environmental Disclosure	<input checked="" type="checkbox"/> <a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations