

# Product datasheet

Specifications



## iPF K 20 modular surge arrester - 3 poles + N - 340V

A9L15693

### Main

|                           |                                 |
|---------------------------|---------------------------------|
| Range Of Product          | Acti9                           |
| Product Name              | Acti9 iPF K                     |
| Product Or Component Type | Surge arrester                  |
| Device Short Name         | iPF K                           |
| Device Application        | Distribution                    |
| Standards                 | IEC 61643-11:2011               |
| Product Certifications    | CE<br>EAC                       |
| Poles Description         | 3P + N                          |
| Remote Signalling         | Without                         |
| Surge Arrester Type       | Electrical distribution network |
| Earthing System           | TT<br>TN-S                      |

### Complementary

|                                           |                                                                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Surge Arrester Class Type                 | Type 2                                                                                                              |
| Surge Arrester Technology                 | MOV + GDT                                                                                                           |
| [Ue] Rated Operational Voltage            | 230/400 V AC (+/- 10 %) at 50/60 Hz                                                                                 |
| [In] Nominal Discharge Current            | Common mode: 5 kA (L/PE)<br>Common mode: 5 kA (N/PE)<br>Differential mode: 5 kA (L/N)                               |
| [Imax] Maximum Discharge Current          | Common mode: 20 kA L/PE<br>Common mode: 20 kA N/PE<br>Differential mode: 20 kA L/N                                  |
| [Uc] Maximum Continuous Operating Voltage | Common mode: 340 V L/PE<br>Common mode: 260 V N/PE<br>Differential mode: 340 V L/N                                  |
| Maximum [Up] Voltage Protection Level     | Common mode <1.5 kV type 2 N/PE<br>Differential mode <1.1 kV type 2 L/N                                             |
| [Ut] Temporary Overvoltage                | 337 V L/N 5 s withstand<br>442 V L/PE 5 s withstand<br>1200 V N/PE 200 ms withstand<br>1453 V L/PE 200 ms withstand |
| Disconnecter Device Type                  | Associated circuit breaker iK60N 20 A curve C - Icu 6 kA<br>Associated fuse gG 25 A - Icu 25 kA                     |
| Signalling Circuit Voltage                | 0.25 A/250 V AC 50/60 Hz                                                                                            |
| Mounting Mode                             | Clip-on (DIN rail)                                                                                                  |
| 9 Mm Pitches                              | 8                                                                                                                   |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                               |                                                                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                        | 81 mm                                                                                                                                                                          |
| Width                         | 72 mm                                                                                                                                                                          |
| Depth                         | 69 mm                                                                                                                                                                          |
| Net Weight                    | 420 g                                                                                                                                                                          |
| Colour                        | White (RAL 9003)                                                                                                                                                               |
| [Ipe] Ground Residual Current | 0.003 mA                                                                                                                                                                       |
| Connections - Terminals       | Tunnel type terminal (top or bottom) 25 mm² rigid<br>Tunnel type terminal (top or bottom) 16 mm² flexible<br>Tunnel type terminal (top or bottom) 16 mm² flexible with ferrule |
| Wire Stripping Length         | 11 mm                                                                                                                                                                          |
| Tightening Torque             | 3.5 N.m                                                                                                                                                                        |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Ik Degree Of Protection               | IK03 conforming to IEC 62262 |
| Relative Humidity                     | 5...95 %                     |
| Operating Altitude                    | 2000 m                       |
| Ambient Air Temperature For Operation | -25...60 °C                  |
| Ambient Air Temperature For Storage   | -40...85 °C                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 7.0 cm    |
| Package 1 Width              | 8.0 cm    |
| Package 1 Length             | 8.1 cm    |
| Package 1 Weight             | 383.0 g   |
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 3         |
| Package 2 Height             | 10.0 cm   |
| Package 2 Width              | 8.0 cm    |
| Package 2 Length             | 28.0 cm   |
| Package 2 Weight             | 1.223 kg  |
| Unit Type Of Package 3       | S03       |
| Number Of Units In Package 3 | 36        |
| Package 3 Height             | 30.0 cm   |
| Package 3 Width              | 30.0 cm   |
| Package 3 Length             | 40.0 cm   |
| Package 3 Weight             | 15.257 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability



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Transparency   RoHS/REACH

## Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information

Yes

## Certifications & Standards

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                                     |
| Eu Rohs Directive        | Compliant with Exemptions                                                                                             |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                                         |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                               |