

Product data sheet

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 EAC |
| Poles description | 3P + N |
| Remote signalling | Without |
| Surge arrester type | Electrical distribution network |
| Earthing system | TT TN-S |

Complementary

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|---|---|
| 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) Common mode: 5 kA (N/PE) Differential mode: 5 kA (L/N) |
| [Imax] maximum discharge current | Common mode: 20 kA L/PE Common mode: 20 kA N/PE Differential mode: 20 kA L/N |
| [Uc] maximum continuous operating voltage | Common mode: 340 V L/PE Common mode: 260 V N/PE Differential mode: 340 V L/N |
| Maximum [Up] voltage protection level | Common mode <1.5 kV type 2 N/PE Differential mode <1.1 kV type 2 L/N |
| [Ut] temporary overvoltage | 337 V L/N 5 s withstand 442 V L/PE 5 s withstand 1200 V N/PE 200 ms withstand 1453 V L/PE 200 ms withstand |
| Disconnecter device type | Associated circuit breaker iK60N 20 A curve C - Icu 6 kA Associated fuse gG 25 A - Icu 25 kA |
| Signalling circuit voltage | 0.25 A/250 V AC 50/60 Hz |

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| Mounting mode | Clip-on (DIN rail) |
| 9 mm pitches | 8 |
| 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 mm ² rigid Tunnel type terminal (top or bottom) 16 mm ² flexible Tunnel type terminal (top or bottom) 16 mm ² flexible with ferrule |
| Wire stripping length | 11 mm |
| Tightening torque | 3.5 N.m |

Environment

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|---------------------------------------|------------------------------|
| 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

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

Offer Sustainability

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|-------------------|-----------------------------------|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant |

[EU RoHS Declaration](#)

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|---------------------|-----|
| Mercury free | Yes |
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| RoHS exemption information | Yes |
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|------------------------------|---|
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
|------------------------------|---|

Contractual warranty

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| Warranty | 18 months |
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