

# Bảng thông số sản phẩm

Thông số kỹ thuật



## iPF K 65 modular surge arrester - 3 poles + N - 340V

A9L15586

### 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	TN-S TT

### 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: 20 kA (L/PE) Common mode: 20 kA (N/PE) Differential mode: 20 kA (L/N)
[Imax] Maximum Discharge Current	Common mode: 65 kA L/PE Common mode: 65 kA N/PE Differential mode: 65 kA L/N
[Uc] Maximum Continuous Operating Voltage	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 <1.5 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 50 A curve C - Icu 6 kA Associated fuse gG 80 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

Height	81 mm
Width	72 mm
Depth	69 mm
Net Weight	335 g
Colour	White (RAL 9003)
[Ipe] Ground Residual Current	0.003 mA
Connections - Terminals	Tunnel type terminal (top or bottom) 25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> 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	7.2 cm
Package 1 Length	8.1 cm
Package 1 Weight	471.0 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	1.472 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	17.642 kg

## Contractual warranty

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

# Bảng thông số sản phẩm

Thông số kỹ thuật



## iPF K 40 modular surge arrester - 1 pole - 340V

A9L15686

### 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	EAC CE
Poles Description	1P
Remote Signalling	Without
Surge Arrester Type	Electrical distribution network
Earthing System	IT 230 TN-C

### Complementary

Surge Arrester Class Type	Type 2
Surge Arrester Technology	MOV
[Ue] Rated Operational Voltage	230 V AC (+/- 10 %) at 50/60 Hz
[In] Nominal Discharge Current	Common mode: 15 kA (L/PE) Common mode: 15 kA (N/PE)
[Imax] Maximum Discharge Current	Common mode: 40 kA L/PE
[Uc] Maximum Continuous Operating Voltage	Common mode: 340 V L/PE
Maximum [Up] Voltage Protection Level	Common mode <1.5 kV type 2 L/PE
[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 40 A curve C - Icu 6 kA Associated fuse gG 63 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	2
Height	81 mm
Width	18 mm

<b>Depth</b>	69 mm
<b>Net Weight</b>	125 g
<b>Colour</b>	White (RAL 9003)
<b>[Ipe] Ground Residual Current</b>	5 mA
<b>Connections - Terminals</b>	Tunnel type terminal (top or bottom) 25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible with ferrule
<b>Wire Stripping Length</b>	11 mm
<b>Tightening Torque</b>	3.5 N.m

## Environment

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

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.2 cm
<b>Package 1 Width</b>	7.4 cm
<b>Package 1 Length</b>	8.8 cm
<b>Package 1 Weight</b>	117.0 g
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	12
<b>Package 2 Height</b>	10.0 cm
<b>Package 2 Width</b>	8.0 cm
<b>Package 2 Length</b>	28.0 cm
<b>Package 2 Weight</b>	1.478 kg
<b>Unit Type Of Package 3</b>	S03
<b>Number Of Units In Package 3</b>	120
<b>Package 3 Height</b>	30.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	15.267 kg

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

# Bảng thông số sản phẩm

Thông số kỹ thuật



## iPF K 40 modular surge arrester - 1 pole + N - 340V

A9L15687

### 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	EAC CE
Poles Description	1P + N
Remote Signalling	Without
Surge Arrester Type	Electrical distribution network
Earthing System	TT TN-S

### Complementary

Surge Arrester Class Type	Type 2
Surge Arrester Technology	MOV + GDT
[Ue] Rated Operational Voltage	230 V AC (+/- 10 %) at 50/60 Hz
[In] Nominal Discharge Current	Common mode: 15 kA (L/PE) Common mode: 15 kA (N/PE) Differential mode: 15 kA (L/N)
[Imax] Maximum Discharge Current	Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 kA L/N
[Uc] Maximum Continuous Operating Voltage	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 <1.5 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 40 A curve C - Icu 6 kA Associated fuse gG 63 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	4

<b>Height</b>	81 mm
<b>Width</b>	36 mm
<b>Depth</b>	69 mm
<b>Net Weight</b>	210 g
<b>Colour</b>	White (RAL 9003)
<b>[Ipe] Ground Residual Current</b>	0.003 mA
<b>Connections - Terminals</b>	Tunnel type terminal (top or bottom) 25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible with ferrule
<b>Wire Stripping Length</b>	11 mm
<b>Tightening Torque</b>	3.5 N.m

## Environment

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

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	4.5 cm
<b>Package 1 Width</b>	7.5 cm
<b>Package 1 Length</b>	9.0 cm
<b>Package 1 Weight</b>	205.0 g
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	6
<b>Package 2 Height</b>	10.0 cm
<b>Package 2 Width</b>	9.0 cm
<b>Package 2 Length</b>	28.0 cm
<b>Package 2 Weight</b>	1.303 kg
<b>Unit Type Of Package 3</b>	S03
<b>Number Of Units In Package 3</b>	72
<b>Package 3 Height</b>	30.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	15.802 kg

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

# Bảng thông số sản phẩm

Thông số kỹ thuật



## iPF K 40 modular surge arrester - 3 poles + N - 340V

A9L15688

### 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

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: 15 kA (L/PE) Common mode: 15 kA (N/PE) Differential mode: 15 kA (L/N)
[Imax] Maximum Discharge Current	Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 kA L/N
[Uc] Maximum Continuous Operating Voltage	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 <1.5 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 40 A curve C - Icu 6 kA Associated fuse gG 63 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

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 <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> 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	7.2 cm
Package 1 Length	8.1 cm
Package 1 Weight	407.0 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	1.222 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	14.881 kg

## Contractual warranty

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



# Bảng thông số sản phẩm

Thông số kỹ thuật



## iPF K 20 modular surge arrester - 1 pole - 340V

A9L 15691

### 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	EAC CE
Poles Description	1P
Remote Signalling	Without
Surge Arrester Type	Electrical distribution network
Earthing System	IT 230 TN-C

### Complementary

Surge Arrester Class Type	Type 2
Surge Arrester Technology	MOV
[Ue] Rated Operational Voltage	230 V AC (+/- 10 %) at 50/60 Hz
[In] Nominal Discharge Current	Common mode: 5 kA (L/PE) Common mode: 5 kA (N/PE)
[Imax] Maximum Discharge Current	Common mode: 20 kA L/PE
[Uc] Maximum Continuous Operating Voltage	Common mode: 340 V L/PE
Maximum [Up] Voltage Protection Level	Common mode <1.1 kV type 2 L/PE
[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
Mounting Mode	Clip-on (DIN rail)
9 Mm Pitches	2
Height	81 mm
Width	18 mm

<b>Depth</b>	69 mm
<b>Net Weight</b>	125 g
<b>Colour</b>	White (RAL 9003)
<b>[Ipe] Ground Residual Current</b>	5 mA
<b>Connections - Terminals</b>	Tunnel type terminal (top or bottom) 25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible with ferrule
<b>Wire Stripping Length</b>	11 mm
<b>Tightening Torque</b>	3.5 N.m

## Environment

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

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	2.3 cm
<b>Package 1 Width</b>	7.3 cm
<b>Package 1 Length</b>	8.8 cm
<b>Package 1 Weight</b>	110.0 g
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	10
<b>Package 2 Height</b>	10.0 cm
<b>Package 2 Width</b>	8.0 cm
<b>Package 2 Length</b>	28.0 cm
<b>Package 2 Weight</b>	1.198 kg
<b>Unit Type Of Package 3</b>	S03
<b>Number Of Units In Package 3</b>	120
<b>Package 3 Height</b>	30.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	14.863 kg

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------

# Bảng thông số sản phẩm

Thông số kỹ thuật



## iPF K 20 modular surge arrester - 1 pole + N - 340V

A9L15692

### 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	1P + N
Remote Signalling	Without
Surge Arrester Type	Electrical distribution network
Earthing System	TN-S TT

### Complementary

Surge Arrester Class Type	Type 2
Surge Arrester Technology	MOV + GDT
[Ue] Rated Operational Voltage	230 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
Mounting Mode	Clip-on (DIN rail)
9 Mm Pitches	4

Height	81 mm
Width	36 mm
Depth	69 mm
Net Weight	210 g
Colour	White (RAL 9003)
[Ipe] Ground Residual Current	0.003 mA
Connections - Terminals	Tunnel type terminal (top or bottom) 25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> 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	4.5 cm
Package 1 Length	8.5 cm
Package 1 Weight	204.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	10.0 cm
Package 2 Width	9.0 cm
Package 2 Length	28.0 cm
Package 2 Weight	1.319 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	72
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.35 kg

## Contractual warranty

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

# Bảng thông số sản phẩm

Thông số kỹ thuật



## 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

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
Mounting Mode	Clip-on (DIN rail)
9 Mm Pitches	8

<b>Height</b>	81 mm
<b>Width</b>	72 mm
<b>Depth</b>	69 mm
<b>Net Weight</b>	420 g
<b>Colour</b>	White (RAL 9003)
<b>[Ipe] Ground Residual Current</b>	0.003 mA
<b>Connections - Terminals</b>	Tunnel type terminal (top or bottom) 25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 16 mm <sup>2</sup> flexible with ferrule
<b>Wire Stripping Length</b>	11 mm
<b>Tightening Torque</b>	3.5 N.m

## Environment

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

## Packing Units

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

## Contractual warranty

<b>Warranty</b>	18 months
-----------------	-----------