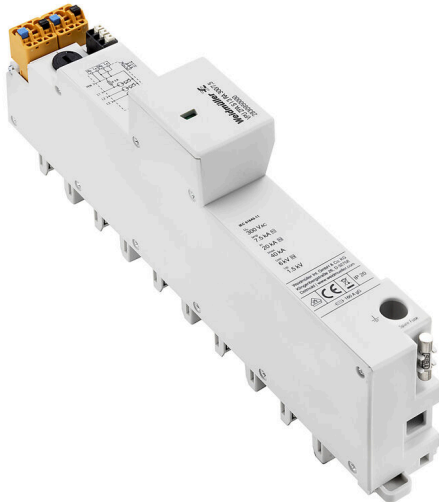


## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Lightning arresters for 40 mm rail systems

- Simple and safe to use and install
- Complete and permanent status control
- Leakage current free surge protection
- Application-specific application classes with 7.5 kA and 12.5 kA discharge current

### General ordering data

Version	Surge voltage arrester, Low voltage, Leakage-current-free
Order No.	<a href="#">2830950000</a>
Type	VPU ZPA S I 3 RA 300/7,5
GTIN (EAN)	4064675390152
Qty.	1 items

## VPU ZPA S I 3 RA 300/7,5

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	236 mm	Depth (inches)	9.2913 inch
Height	236 mm	Height (inches)	9.2913 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	641 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	...85 °C
Operating temperature	-40 °C...85 °C	Humidity	5 - 95% rel. humidity

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.25 mm <sup>2</sup>	Connection type	PUSH IN
Cross-section for connected wire, solid core, max.	1.5 mm <sup>2</sup>	Max. torque	0.4 Nm

## General data

Optical function display	green = OK; red = arrester is defective - replace	Segment	Power distribution
Version	Leakage-current-free	Colour	grey
Protection degree	IP20	Mounting rail	Busbar
auxiliary contact	Yes	Operating altitude	≤ 4000 m

## Rated data IEC / EN

Number of poles	3	Combined pulse UOC	6 kV
Leakage current at Un	5 µA	Signalling contact	250 V 10 A 1 NC
Rated voltage (AC)	240 V	Voltage type	AC
Fuse protection	No Fuse necessary ≤160 A gG	Response time / fallback time	≤ 100 ns
Frequency range, max.	60 Hz	Frequency range, min.	50 Hz
Lightning test current limp (10/350 µs) (L-PE)	7.5 kA	Requirements class, acc. to EN 61643-11	T1, T2, T3
Requirements category acc. to IEC 61643-11	Type I, Type II, Type III	Mains voltage	230 V / 400 V
Energy coordination (≤10 m)	Type I, Type II, Type III	SPD type	T1, T2, T3
Protection level Up at IN (L/N-PE)	≤ 1.5 kV	Short-circuit current rating ISCCR	25 kA
Integrated back-up fuse	No	PE conductor current IPE	20 µA

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

### Connection data

Stripping length	18 mm	Wire connection method	Screw connection
Type of connection	Screw connection	Tightening torque, max.	4.5 Nm
Clamping range, rated connection	16 mm <sup>2</sup>	Clamping range, min.	4 mm <sup>2</sup>
Clamping range, max.	35 mm <sup>2</sup>	Wire cross-section, solid, min.	16 mm <sup>2</sup>
Wire cross-section, solid, max.	35 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	25 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	16 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	25 mm <sup>2</sup>
Connection cross-section, stranded, min.	16 mm <sup>2</sup>	Connection cross-section, stranded, max.	35 mm <sup>2</sup>

### Electrical data

Voltage type	AC
--------------	----

### General data

Number of poles	3	Protection degree	IP20
Colour	grey		

### Guarantee

Time interval	5 years
---------------	---------

### Classifications

ETIM 8.0	EC001457	ETIM 9.0	EC001457
ETIM 10.0	EC001457	ECLASS 14.0	27-17-12-04
ECLASS 15.0	27-17-12-04		



## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

### Visualization and Communication cable

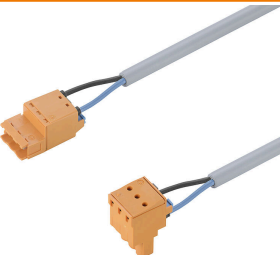


Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

#### General ordering data

Type	CH-SMC-00.80-VC180	Version	
Order No.	<a href="#">2775880080</a>	Smart Metering Cable Assemblies, 6 kV, Pin, IP20, 600 V, KB PUR US	
GTIN (EAN)	4064675329909	2X1.5 GY XX 6KV, 0.8 m	
Qty.	10 ST		

### Counter and Gateway cable



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

#### General ordering data

Type	CH-SMC-00.80-CG90	Version	
Order No.	<a href="#">2775910080</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600 V, KB PUR US	
GTIN (EAN)	4064675329732	2X1.5 GY XX 6KV, 0.8 m	
Qty.	10 ST		

### Extension cable for Smart Meter



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

#### General ordering data

Type	CH-SMC-00.80-ECS180	Version	
Order No.	<a href="#">2784120080</a>	Smart Metering Cable Assemblies, 6 kV, Pin, IP20, 600 V, KB PUR US	
GTIN (EAN)	4064675329718	2X1.5 GY XX 6KV, 0.8 m	
Qty.	10 ST		

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

Type	CH-SMC-00.60-ECB180	Version	
Order No.	<a href="#">2784110060</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600	
GTIN (EAN)	4099986979093	V, KB PUR US 2X1.5 GY XX 6KV, 0.6 m	
Qty.	10 ST		

### Visualization and Communication cable



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

### General ordering data

Type	CH-SMC-00.80-OVP180	Version	
Order No.	<a href="#">2853620080</a>	Smart Metering Cable Assemblies, 6 kV, Pin, Socket connector, IP20,	
GTIN (EAN)	4064675477549	600 V, KB PUR US 2X1.5 GY XX 6KV, 0.33 m	
Qty.	10 ST		

### Extension cable for Smart Meter



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

### General ordering data

Type	CH-SMC-01.15-ECB180	Version	
Order No.	<a href="#">2784110115</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600	
GTIN (EAN)	4099986979208	V, KB PUR US 2X1.5 GY XX 6KV, 1.15 m	
Qty.	10 ST		

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

### Visualization and Communication cable



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

#### General ordering data

Type	CH-SMC-00.60-OVP180	Version	
Order No.	<a href="#">2853620060</a>	Smart Metering Cable Assemblies, 6 kV, Pin, Socket connector, Pin	
GTIN (EAN)	4099986979079	connector, IP20, 600 V, KB PUR US 2X1.5 GY XX 6KV, 0.6 m	
Qty.	10 ST		

### Extension cable for Smart Meter



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

#### General ordering data

Type	CH-SMC-00.60-ECB90	Version	
Order No.	<a href="#">2817650060</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600	
GTIN (EAN)	4064675323051	V, KB PUR US 2X1.5 GY XX 6KV, 0.6 m	
Qty.	10 ST		
Type	CH-SMC-00.80-ECB90	Version	
Order No.	<a href="#">2817650080</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600	
GTIN (EAN)	4064675323068	V, KB PUR US 2X1.5 GY XX 6KV, 0.8 m	
Qty.	10 ST		
Type	CH-SMC-00.95-ECB90	Version	
Order No.	<a href="#">2817650095</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600	
GTIN (EAN)	4064675323075	V, KB PUR US 2X1.5 GY XX 6KV, 0.95 m	
Qty.	10 ST		
Type	CH-SMC-01.20-ECB90	Version	
Order No.	<a href="#">2817650120</a>	Smart Metering Cable Assemblies, 6 kV, Socket connector, IP20, 600	
GTIN (EAN)	4064675323082	V, KB PUR US 2X1.5 GY XX 6KV, 1.2 m	
Qty.	10 ST		

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

## Accessories

www.weidmueller.com

## Cables



Base counter, gateway, control box and overvoltage protection device are connected with pre-assembled cable sets as point-to-point or Y-assembly. Weidmüller offers the right connection solutions for this, conforming to FNN and DIN-VDE 0603 standards. Pre-assembled power cables with 6kV overvoltage protection round up the portfolio.

## General ordering data

Type	CH-SMR-00.33-VC180 VPE10	Version
Order No.	<a href="#">2924830033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795570	mounted condition, 300 V, Li9YH 1 x 0,75, 0.33 m
Qty.	10 ST	
Type	CH-SMR-00.80-VC180 VPE10	Version
Order No.	<a href="#">2924830080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795587	mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
Qty.	10 ST	
Type	CH-SMR-00.33-CG90 VPE10	Version
Order No.	<a href="#">2924780033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795594	mounted condition, 300 V, Li9YH 1 x 0,75, 0.33 m
Qty.	10 ST	
Type	CH-SMR-00.80-CG90 VPE10	Version
Order No.	<a href="#">2924780080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795600	mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
Qty.	10 ST	
Type	CH-SMR-00.33-ECS180 VPE...	Version
Order No.	<a href="#">2924850033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795723	mounted condition, 300 V, Li9YH 1 x 0,75, 0.33 m
Qty.	10 ST	
Type	CH-SMR-00.80-ECS180 VPE...	Version
Order No.	<a href="#">2924850080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795730	mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
Qty.	10 ST	
Type	CH-SMR-00.33-ECB180 VPE...	Version
Order No.	<a href="#">2924870033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795655	mounted condition, 300 V, Li9YH 1 x 0,75, 0.33 m
Qty.	10 ST	
Type	CH-SMR-00.80-ECB180 VPE...	Version
Order No.	<a href="#">2924870080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795662	mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
Qty.	10 ST	
Type	CH-SMR-00.33-ECB90 VPE10	Version
Order No.	<a href="#">2924890033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795679	mounted condition, 300 V, Li9YH 1 x 0,75, 0.33 m
Qty.	10 ST	
Type	CH-SMR-00.60-ECB90 VPE10	Version
Order No.	<a href="#">2924890060</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and
GTIN (EAN)	4099986795686	mounted condition, 300 V, Li9YH 1 x 0,75, 0.6 m
Qty.	10 ST	

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

### Accessories

Type	CH-SMR-00.80-ECB90 VPE10	Version
Order No.	<a href="#">2924890080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
GTIN (EAN)	4099986795693	
Qty.	10 ST	
Type	CH-SMR-00.95-ECB90 VPE10	Version
Order No.	<a href="#">2924890095</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 0.95 m
GTIN (EAN)	4099986795709	
Qty.	10 ST	
Type	CH-SMR-01.20-ECB90 VPE10	Version
Order No.	<a href="#">2924890120</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 1.2 m
GTIN (EAN)	4099986795716	
Qty.	10 ST	
Type	CH-SMR-00.33-VCC180 VPE...	Version
Order No.	<a href="#">2924970033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75,
GTIN (EAN)	4099986795624	
Qty.	10 ST	
Type	CH-SMR-00.33-YCC90 VPE10	Version
Order No.	<a href="#">2924960033</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75,
GTIN (EAN)	4099986795617	
Qty.	10 ST	
Type	CH-SMR-00.60-OVP180 VPE...	Version
Order No.	<a href="#">2924810060</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 0.6 m
GTIN (EAN)	4099986993440	
Qty.	10 ST	
Type	CH-SMR-00.80-OVP180 VPE...	Version
Order No.	<a href="#">2924810080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
GTIN (EAN)	4099986993457	
Qty.	10 ST	
Type	CH-SMR-01.15-OVP180 VPE...	Version
Order No.	<a href="#">2924810115</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 1.15 m
GTIN (EAN)	4099986993464	
Qty.	10 ST	
Type	CH-SMR-00.60-OVP90 VPE10	Version
Order No.	<a href="#">2924820060</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 0.6 m
GTIN (EAN)	4099986993471	
Qty.	10 ST	
Type	CH-SMR-00.80-OVP90 VPE10	Version
Order No.	<a href="#">2924820080</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 0.8 m
GTIN (EAN)	4099986993488	
Qty.	10 ST	
Type	CH-SMR-01.15-OVP90 VPE10	Version
Order No.	<a href="#">2924820115</a>	Smart Metering Cable Assemblies, 6 kV, IP30, in plugged and mounted condition, 300 V, Li9YH 1 x 0,75, 1.15 m
GTIN (EAN)	4099986993495	
Qty.	10 ST	

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

### Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

#### General ordering data

Type	SDIK PH1 X 80	Version	
Order No.	<a href="#">2749890000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118897098		
Qty.	1 ST		

### Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

#### General ordering data

Type	SDIS 1.0X5.5X125	Version	
Order No.	<a href="#">2749850000</a>	Screwdriver, Blade width (B): 5.5 mm, Blade length: 125 mm, Blade thickness (A): 1 mm	
GTIN (EAN)	4050118897050		
Qty.	1 ST		

## Accessories



#### General ordering data

Type	V-ZPA FUSE HOLDER E	Version	
Order No.	<a href="#">3038720000</a>		
GTIN (EAN)	4099987006422		
Qty.	1 ST		

## VPU ZPA S I 3 RA 300/7,5

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

Type	V-ZPA TERMINAL	Version
Order No.	<a href="#">2904470000</a>	
GTIN (EAN)	4099986010352	
Qty.	1 ST	