VSPC BASE 2/4CH FG R

Base element for the pluggable VSPC arresters. Integrated PE foot in the base of the impedance-neutral VSPC BASE and floating earth PE connection (FG) via integrated sparkover gap, safely discharges up to 20 kA (8/20 µs) and 2.5 kA (10/350 µs) to PE. Suitable for unearthed signal circuits.

General ordering data

Version	Surge protection, Flange-mounted housing, Flange-mounted housing
Order No.	8951800000
Type	VSPC BASE 2/4CH FG R
GTIN (EAN)	4032248743049
Qty.	1 items

VSPC BASE 2/4CH FG R

Technical data

Approvals

Approvals	CE CSAEX UL LISTED
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UL)	E311081

Dimensions and weights

Depth	69 mm	Depth (inches)	2.7165 inch
Height	98 mm	Height (inches)	3.8583 inch
Width	17.8 mm	Width (inches)	0.7008 inch
Net weight	76 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...70 °C
Humidity	5...96 %		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	5047b468-d57a-4a1c-8363-2ff1629067e4

Rated data UL

Certificate No. (UL)	E311081	UL certificate	UL 497b Certificate - PDF/ E311081VOL1SEC2.pdf (application/pdf)

Connection data, remote alert

Cross-section for connected wire, solid core, min.	0.5 mm²	Stripping length	6 mm
Connection type	Screw connection	Cross-section for connected wire, solid core, max.	1.5 mm²
Max. torque	0.2 Nm		

CSA protection data

Gas group D	IIA	Gas groups A, B	IIC
Input-current, max. II	300 mA	Gas group C	IIB
Internal inductance, max. LI	0 µH		

General data

Optical function display	No	Segment	Measurement - Monitoring - Setting
Version	Flange-mounted housing	Design	Terminal, miscellaneous
UL 94 flammability rating	V-0	Colour	black
Protection degree	IP20	Mounting rail	TS 35, TS 35 x 7.5

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Technical data

Insulation coordination acc. to EN 50178

Surge voltage category	III	Pollution severity	2

Rated data IEC / EN

Leakage current at Un	0 µA	Signalling contact	UN 250 V AC 0.1 A 1CO at VSPC R with VSPC control unit
Rated current IN	10 A	Voltage type	AC/DC
Standards	IEC 61643-21, IEC 62305, DIN EN 60079-0.2009, DIN EN 60079-11:2007, DIN EN 60079-26:2007, DIN EN 61241-11:2006	Dielectric strength at FG against PE	≥ 500 V

Further details of approvals

GOST certificate	GOST-Zertifikat - PDF/7950_n1-n4.pdf (application/pdf)

Connection data

Stripping length	7 mm	Type of connection	Screw connection
Stripping length, rated connection	7 mm	Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.8 Nm	Clamping range, min.	0.5 mm²
Clamping range, max.	4 mm²	Wire cross-section, solid, min.	0.5 mm²
Wire cross-section, solid, max.	4 mm²	Wire connection cross section, finely stranded, max.	2.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm²
Connection cross-section, stranded, min.	0.5 mm²	Connection cross-section, stranded, max.	2.5 mm²
Blade size	0.6 x 3.5 mm		

Electrical data

Voltage type	AC/DC

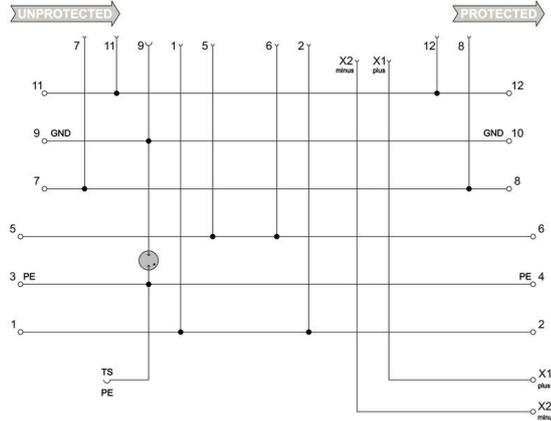### General data

Protection degree	IP20	Colour	black

Ratings IECEx/ATEX/cUL

cUL certificate	cUL Certificate - pdf/ VSPC.PDF (application/ pdf)

Classifications

ETIM 8.0	EC000472	ETIM 9.0	EC000472
ETIM 10.0	EC000472	ECLASS 14.0	27-17-15-91
ECLASS 15.0	27-17-15-91		

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VSPC BASE 2/4CH FG R

Drawings

Electric symbol

Circuit diagram

Cate-gory	Testing pulse	Surge voltage	Surge current	Pulse	Type
C1	Quick-rising edge	0.5 - 2 kV with 1.2/50 µs	0.25 - 1 kA mit 8/20 µs	300	Surge voltage arrester
C2	Quick-rising edge	2 - 10 kV with 1.2/50 µs	1 - 5 kA mit 8/20 µs	10	Surge voltage arrester
C3	Quick-rising edge	≥ 1 kV with 1 kV/µs	10 - 100 A mit 10/10000 µs	300	Surge voltage arrester
D1	High power	≥ 1 kV	0.5 - 2.5 kA mit 10/350 µs	2	Arrester for lightning current and surge voltages

Discharge capacity

VSPC BASE 2/4CH FG R

Accessories

Supply and alert unit for VSPC R arresters

- Signalling module for all VSPCs with status indicator
- Signalling of cable breaks / signal interruptions
- Power supply of 20 to 31 V DC
- No-voltage changeover contact
- Function display with red/green LED
- Functional alerts with different signal types.

General ordering data

Type	VSPC CONTROL UNIT 24VDC	Version
Order No.	8972270000	Surge protection for instrumentation and control, with warning
GTIN (EAN)	4032248793488	function / function indicator
Qty.	1 ST	

Earthing module

- Can be applied to unassigned wires
- Can be used during initial commissioning and maintenance
- All sensor cables connected to the VSPC are earthed.
- Can be plugged into all VSPC base sockets

General ordering data

Type	VSPC GROUND	Version
Order No.	8924680000	Adapter, without warning function / function indicator
GTIN (EAN)	4032248696321	
Qty.	1 ST	

Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

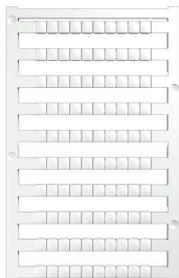| Type	SDS 0.6X3.5X200	Version
Order No.	9010110000	Screwdriver, Screwdriver
GTIN (EAN)	4032248300754	
Qty.	1 ST	

VSPC BASE 2/4CH FG R

Accessories

Type	SDS 0.4X2.0X60	Version	
Order No.	9037160000	Screwdriver, Screwdriver	
GTIN (EAN)	4032248171613		
Qty.	1 ST		

Plus

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
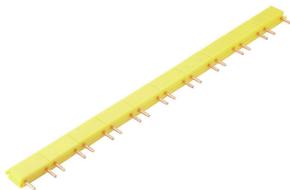Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.
• Large range of ready-to-use markers
• Strips for fast installation
• Terminal markers, suitable for all Weidmüller cable connectors
• Available as blank MultiCard or with standard printing
For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/5 PLUS MC NE WS	Version	
Order No.	1854490000	Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00	
GTIN (EAN)	4032248393596	Weidmueller, white	
Qty.	1000 ST		

Cross-connections

Cross-connection between the VSPC signal contacts can be installed quickly. Cross-connections can be individually separated for the alert function with maximum 10 VSPC R.

General ordering data

Type	QB 17,8/2	Version	
Order No.	1309470000		
GTIN (EAN)	4050118111934		
Qty.	90 ST		

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