

2910343

https://www.phoenixcontact.com/us/products/2910343

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.

Surge protective device, single channel with remote indicator contact for 48 V DC.



Your advantages

- · Single-channel, DIN-rail mountable protective devices
- · Disconnect device on each individual plug
- · Mechanical coding of all slots
- · Consists of base element and plug
- · Optical, mechanical status indication for the individual arresters
- · Base element with/without floating remote indication contact



2910343

https://www.phoenixcontact.com/us/products/2910343

Commercial Data

Item number	2910343
Packing unit	1 pc
Sales Key	C06
Product Key	CL132U
Catalog Page	Page 90 (C-4-2019)
GTIN	4055626444857
Weight per Piece (including packing)	131.3 g
Weight per Piece (excluding packing)	106 g
Customs tariff number	85363030
Country of origin	DE



2910343

https://www.phoenixcontact.com/us/products/2910343

Technical Data

Product properties

IEC test classification	II
	T2
EN type	T2
IEC power supply system	DC
Туре	DIN rail module, two-section, divisible
Product type	Surge arrester
Number of positions	1
Surge protection fault message	Optical, remote indicator contact
Insulation characteristics	
Overvoltage category	III
Pollution degree	2

Electrical properties

Indicator/remote	sianalina
maioaton/romoto	orginaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact
Operating voltage	5 V AC 250 V AC
	30 V DC
Operating current	5 mA AC 1.5 A AC
	1 A DC

Connection data

Connection method	Screw connection
Screw thread	M5
Tightening torque	4.5 Nm (1.5 mm ² 16 mm ²)
	4.5 Nm (25 mm ² 35 mm ²)
Stripping length	16 mm
Conductor cross section flexible	1.5 mm² 25 mm²
Conductor cross section solid	1.5 mm² 35 mm²
Conductor cross section AWG	15 2

Dimensions

Dimensional drawing	
Width	17.6 mm
Width	17.6 mm



2910343

https://www.phoenixcontact.com/us/products/2910343

Height	96.8 mm
Height	96.8 mm
Depth	65.7 mm (incl. DIN rail 7.5 mm)
Depth	65.7 mm
Horizontal pitch	1 Div.

Material specifications

Color	jet black RAL 9005
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6/PBT
Material group	1
Housing material	PA 6.6
	PBT

Protective circuit

Mode of protection	(DC+) - (DC-)
Direction of action	1L-GND
Nominal voltage U _N	60 V AC ±10 % (TN-C)
Nominal voltage U _N	60 V DC ±10 %
	-48 V DC ±10 % (RRH)
Maximum continuous voltage U _C	100 V DC
Rated load current IL	80 A
Residual current I _{PE}	≤ 0.45 mA
Nominal discharge current I_n (8/20) µs	15 kA
Short-circuit current rating I _{SCCR}	5 kA
Voltage protection level U _p	≤ 0.55 kV
Residual voltage U _{res}	≤ 0.55 kV (at I _n)
	≤ 0.425 kV (at 10 kA)
	≤ 0.325 kV (at 5 kA)
	≤ 0.275 kV (at 3 kA)
Response time t _A	≤ 25 ns
Max. backup fuse with V-type through wiring	80 A (gG)
Max. backup fuse with branch wiring	125 A (gG)

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)



2910343

https://www.phoenixcontact.com/us/products/2910343

Approval data

UL specifications	
UL type	type 4
Maximum Surge Current per Phase	40 kA
Mode of protection	(DC+) - (DC-)
Nominal voltage	60 V DC
Power distribution system	DC
SPD Type	4CA
AC operating voltage	125 V AC
AC operating current	1 A AC
UL connection data	
Tightening torque	30 lb _f -in.
Conductor cross section AWG	14 2

Standards and regulations

Standards/regulations	EN 60664-1 / EN 61643-11
Standards/specifications	IEC 61643-11
Standards/specifications	EN 61643-11

Mounting

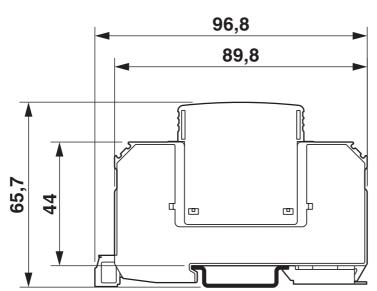
Mounting type	DIN rail: 35 mm
---------------	-----------------

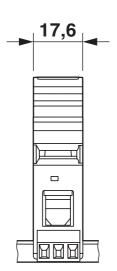


2910343

https://www.phoenixcontact.com/us/products/2910343

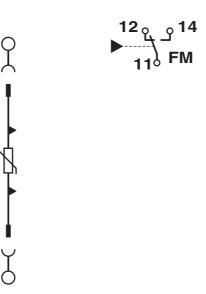
Drawings





Dimensional drawing

Circuit diagram





2910343

https://www.phoenixcontact.com/us/products/2910343

Approvals



cUL Recognized Approval ID: FILE E 330181



UL Recognized Approval ID: FILE E 330181

cULus Recognized



2910343

https://www.phoenixcontact.com/us/products/2910343

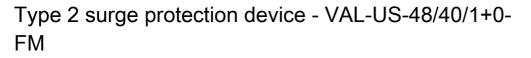
Classifications

ECLASS

ECLASS-9.0	27130805
ECLASS-10.0.1	27130805
ECLASS-11.0	27130805

ETIM

	ETIM 8.0	EC000941		
UNSPSC				
	UNSPSC 21.0	39121600		





2910343 https://www.phoenixcontact.com/us/products/2910343

Environmental Product Compliance

REACh SVHC

Lead 7439-92-1



2910343 https://www.phoenixcontact.com/us/products/2910343

Accessories

Wiring bridge

Wiring bridge - MPB 18/1-10/1.0.0 - 2830443 https://www.phoenixcontact.com/us/products/2830443



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 10 pitches with contact sequence 1-0-0 $\,$

Wiring bridge

Wiring bridge - MPB 18/4-12 - 2809296 https://www.phoenixcontact.com/us/products/2809296



Wiring bridge for modules with connecting pitch 17.5 mm, 4-phase, 12-pos.



2910343

https://www.phoenixcontact.com/us/products/2910343

Wiring bridge

Wiring bridge - MPB 18/4- 8 - 2809283 https://www.phoenixcontact.com/us/products/2809283



Wiring bridge for modules with connecting pitch 17.5 mm, 4-phase, 8-pos.

Wiring bridge

Wiring bridge - MPB 18/3- 6 - 2809241 https://www.phoenixcontact.com/us/products/2809241



Wiring bridge for modules with connecting pitch 17.5 mm, 3-phase, 6-pos.



2910343

https://www.phoenixcontact.com/us/products/2910343

Wiring bridge

Wiring bridge - MPB 18/1-57 - 2809238 https://www.phoenixcontact.com/us/products/2809238



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 57-pos.

Wiring bridge

Wiring bridge - MPB 18/1-12 - 2748593 https://www.phoenixcontact.com/us/products/2748593



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 12-pos.



2910343

https://www.phoenixcontact.com/us/products/2910343

Wiring bridge

Wiring bridge - MPB 18/1- 9 - 2748580 https://www.phoenixcontact.com/us/products/2748580



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 9-pos.

Wiring bridge

Wiring bridge - MPB 18/1- 8 - 2748577 https://www.phoenixcontact.com/us/products/2748577



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 8-pos.



2910343

https://www.phoenixcontact.com/us/products/2910343

Wiring bridge

Wiring bridge - MPB 18/1- 6 - 2748564 https://www.phoenixcontact.com/us/products/2748564



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 6-pos.

Wiring bridge

Wiring bridge - MPB 18/1- 4 - 2809225 https://www.phoenixcontact.com/us/products/2809225



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 4-pos.



2910343

https://www.phoenixcontact.com/us/products/2910343

Wiring bridge

Wiring bridge - MPB 18/1- 3 - 2809212 https://www.phoenixcontact.com/us/products/2809212



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 3-pos.

Wiring bridge

Wiring bridge - MPB 18/1- 2 - 2809209 https://www.phoenixcontact.com/us/products/2809209



Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 2-pos.



2910343 https://www.phoenixcontact.com/us/products/2910343

Marker for terminal blocks

Marker for terminal blocks - ZBN 18,LGS:ERDE - 2749589 https://www.phoenixcontact.com/us/products/2749589



Marker for terminal blocks, Strip, white, labeled, horizontal: Grounding symbol, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker for terminal blocks

Marker for terminal blocks - ZBN 18,LGS:L1-N,ERDE - 2749576 https://www.phoenixcontact.com/us/products/2749576



Marker for terminal blocks, Strip, white, labeled, horizontal: L1, L2, L3, N, GND, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5



2910343

https://www.phoenixcontact.com/us/products/2910343

Zack marker strip

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128 https://www.phoenixcontact.com/us/products/2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

Marker pen

Marker pen - B-STIFT - 1051993 https://www.phoenixcontact.com/us/products/1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 $\rm mm$



2910343 https://www.phoenixcontact.com/us/products/2910343

Feed-through terminal block

Feed-through terminal block - DK-BIC-35 - 2749880 https://www.phoenixcontact.com/us/products/2749880



Feed-through terminal block for VAL and FLT applications

Type 2 surge protection plug

Type 2 surge protection plug - VAL-US-48/40-P - 2910333 https://www.phoenixcontact.com/us/products/2910333



UL Recognized type 2 SPD and IEC type 2 surge protection plug with a varistor and thermal disconnect for use with VAL-US base elements, mechanical and visual fault warning

Phoenix Contact 2022 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com