

2905652

https://www.phoenixcontact.com/us/products/2905652

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.



Base element for type 1/2 arresters from the VALVETRAB MS T1/T2 product range, with remote indication contact. Version: 1-channel

Your advantages

- · Rack-mount 2U panel applications
- · Plug-in direction parallel to the conductor axis
- · Versions with and without floating remote indication contact
- · DIN rail mounting
- · Accepts Type 1 and Type 2 VAL-MS plugs
- · Coding when protective plug is inserted for the first time

Commercial data

Item number	2905652
Packing unit	12 pc
Minimum order quantity	12 pc
Sales key	CL18
Product key	CL1151
GTIN	4046356983372
Weight per piece (including packing)	101 g
Weight per piece (excluding packing)	87 g
Customs tariff number	85363030
Country of origin	US



2905652

https://www.phoenixcontact.com/us/products/2905652

Technical data

Notes

\sim		_	
(ie	n	e	ra

Note	For installation into a touch protected cabinet. For applications
	with U _C > 500 V distances at the side and distances at the
	connection area must be minimum of 5 mm between different
	active parts including earthed parts.

Product properties

Product type	Base element
Product family	VALVETRAB MS
IEC test classification	1/11
	T1 / T2
EN type	T1 / T2
Туре	Base element, DIN rail mounting
Number of positions	1
Surge protection fault message	Remote indication contact
Insulation characteristics	

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal frequency f _N	50 Hz (60 Hz)
Nominal voltage U _N	500 V AC

Indicator/remote signaling

maloato//formoto digitaling	
Connection name	Remote fault indicator contact
Switching function	Changeover contact
Operating voltage	5 V AC 250 V AC
	125 V AC (UL)
	30 V DC
Operating current	5 mA AC 1 A
	1 A (UL)
	1 A

Connection data

Connection method	Biconnect terminal blocks
Screw thread	M5
Tightening torque	3 Nm 4.5 Nm (UL)
	27 lb _f -in 40 lb _f -in. (UL)
Stripping length	16 mm



2905652

https://www.phoenixcontact.com/us/products/2905652

Conductor cross-section flexible min.	1.5 mm²
Conductor cross-section flexible max.	25 mm²
Conductor cross-section, rigid min.	1.5 mm ²
Conductor cross-section, rigid max.	35 mm²
Conductor cross-section AWG	15 2 (IEC)
	10 2 (UL)

Remote fault indicator contact

Connection method	Screw connection
Screw thread	M2
Tightening torque, min	0.25 Nm
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross-section flexible min.	0.14 mm²
Conductor cross-section flexible max.	1.5 mm²
Conductor cross-section, rigid min.	0.14 mm²
Conductor cross-section, rigid max.	1.5 mm²
Conductor cross-section AWG	28 16 (IEC)

Dimensions

Dimensional drawing	21.22 5.02 17.8 199 20 21.22 45.6 45.6 40.93
Width	17.6 mm
Height	77.1 mm
Depth	89.2 mm

Material specifications

Color	black (RAL 9005)
	gray (RAL 7042)
Flammability rating according to UL 94	V0
Housing material	PBT

Mechanical properties

Mechanical data

Open side panel	No

Protective circuit

Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous operating voltage U _C	600 V AC



2905652

https://www.phoenixcontact.com/us/products/2905652

Rated load current I _L	80 A (with serial 16mm² through wiring)
	80 A (with serial 16mm² through wiring)
Short-circuit current rating I _{SCCR}	25 kA
Max. backup fuse with V-type through wiring	80 A AC (gL/gG)
Max. backup fuse with branch wiring	160 A (gL/gG)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
	IP20
Ambient temperature (operation)	-40 °C 80 °C
Altitude	max. 2000 m
Permissible humidity (operation)	5 % 95 %
Shock (operation)	25g
Vibration (operation)	5g

Approvals

UL specifications

SPD Type	4 (for Type 2 applications)
----------	-----------------------------

Standards and regulations

Standards/specifications	IEC 61643-1
Note	2005
Standards/specifications	EN 61643-11/A11
Note	2007

Mounting

Mounting type	DIN rail: 35 mm
Mounting position	Horizontal, flat-mounted DIN rail, NS 35

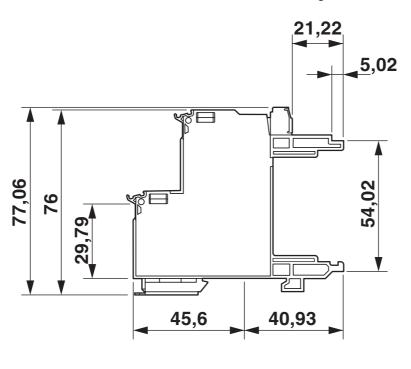


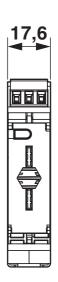
2905652

https://www.phoenixcontact.com/us/products/2905652

Drawings

Dimensional drawing





Circuit diagram







2905652

https://www.phoenixcontact.com/us/products/2905652

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2905652



cUL RecognizedApproval ID: FILE E 330181



UL RecognizedApproval ID: FILE E 330181



2905652

https://www.phoenixcontact.com/us/products/2905652

Classifications

UNSPSC 21.0

ECLASS

	ECLASS-13.0	27171292
	ECLASS-15.0	27171292
ET	IM	
	ETIM 9.0	EC002496
UN	ISPSC	

39121600



2905652

https://www.phoenixcontact.com/us/products/2905652

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2025 @ - 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