

2817738

https://www.phoenixcontact.com/sg/products/2817738

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 2 arresters of the VALVETRAB MS series of products, with remote indication contact. Design: 1-channel

Your advantages

- · Quality proven millions of times over in the widest range of applications
- · Rapid installation with bridges, thanks to industry-standard overall width of 1 HP
- · Easy testing and insulation measurement, thanks to pluggable protection modules
- · Wide range of applications due to various nominal voltages
- High degree of modularity provides individual solutions for every application

Commercial data

Item number	2817738
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	0701*
Product key	CL1321
Catalog page	Page 66 (C-4-2019)
GTIN	4017918148157
Weight per piece (including packing)	76.37 g
Weight per piece (excluding packing)	71.917 g
Customs tariff number	85366990
Country of origin	CN



2817738

https://www.phoenixcontact.com/sg/products/2817738

Technical data

Notes

_			
G	~ ~	-	
		e	

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	II
	T2
EN type	T2
Туре	Base element, DIN rail mounting
Number of positions	1
Surge protection fault message	Remote indication contact
Landa Cara alian and a Cara a	
Insulation characteristics	

insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal frequency f_N

Indicator/remote signaling	
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 A AC
	1 A DC

50 Hz (60 Hz)

Connection data

Screw connection
M5
3 Nm (1.5 mm² 16 mm²)
4.5 Nm (25 mm² 35 mm²)
16 mm
1.5 mm² 25 mm²
1.5 mm² 35 mm²
15 2
Fork-type cable lug
1.5 mm² 16 mm²



2817738

https://www.phoenixcontact.com/sg/products/2817738

Remote fault indicator contact

Connection method	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross section flexible	0.14 mm² 1.5 mm²
Conductor cross section rigid	0.14 mm² 1.5 mm²
Conductor cross section AWG	28 16

Dimensions

Dimensional drawing	96,8 89,8 17,6
Width	17.6 mm
Height	96.8 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Material group	I
Housing material	PA 6.6

Mechanical properties

Mechanical data

Open side parier	Open side panel	No
------------------	-----------------	----

Protective circuit

Direction of action	1L-N/PE
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage U _C	600 V AC
Rated load current I _L	80 A
Short-circuit current rating I _{SCCR}	25 kA
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



2817738

https://www.phoenixcontact.com/sg/products/2817738

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)
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)

Approvals

UL specifications

Nominal voltage	690 V AC	
SPD Type	4CA	
UL indicator/remote signaling		
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/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012

Mounting

<u> </u>	
Mounting type	DIN rail: 35 mm

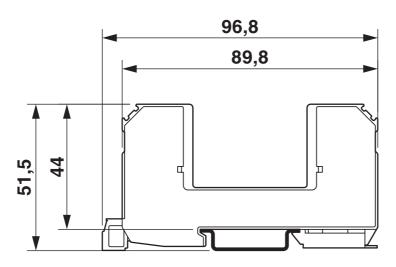


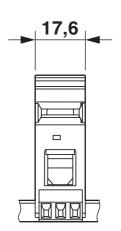
2817738

https://www.phoenixcontact.com/sg/products/2817738

Drawings

Dimensional drawing





Circuit diagram







2817738

https://www.phoenixcontact.com/sg/products/2817738

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/sg/products/2817738



cUL Recognized

Approval ID: FILE E 330181



UL Recognized

Approval ID: FILE E 330181



IECEE CB Scheme

Approval ID: AT 2905/M1



EAC

Approval ID: EAC-Zulassung

CCA

Approval ID: NTR-AT 1947-A



KEMA-KEUR

Approval ID: 71-148002



DNV GL

Approval ID: TAE000041M



EAC

Approval ID: RU C-DE.*09.B.00169



CSA

Approval ID: 13631



ÖVE

Approval ID: 18583-001-17

UAE-RoHS

Approval ID: 22-09-51251



2817738

https://www.phoenixcontact.com/sg/products/2817738

Classifications

EC	CLASS

ECLASS-13.0 27171292

ETIM

ETIM 9.0 EC002496

UNSPSC

UNSPSC 21.0 39121600



2817738

https://www.phoenixcontact.com/sg/products/2817738

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 SEA Pte. Ltd. 105 Eunos Avenue 3, #04-00 Singapore 409836 +65 6228 4900 marketing@phoenixcontact.com.sg