

2817741

https://www.phoenixcontact.com/in/products/2817741

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Base element for type 2 arresters of the VALVETRAB MS series of products. 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	2817741
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CL1
Product Key	CL1321
Catalog Page	Page 66 (C-4-2019)
GTIN	4017918148164
Weight per Piece (including packing)	72.52 g
Weight per Piece (excluding packing)	66.5 g
Customs tariff number	85363010
Country of origin	IN



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Technical Data

Notes

Genera	G	en	era
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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

II
T2
T2
Base element, DIN rail mounting
Base element
VALVETRAB MS
1
none

Insulation characteristics

Overvoltage category	III
Pollution degree	2

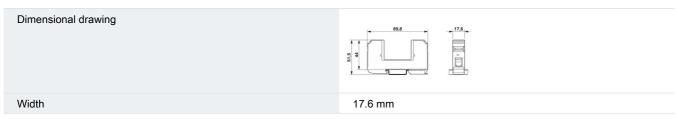
Electrical properties

Nominal frequency f _N	50 Hz (60 Hz)	

Connection data

Connection method	Screw connection
Screw thread	M5
Tightening torque	3 Nm (1.5 mm ² 16 mm ²)
	4.5 Nm (25 mm² 35 mm²)
Stripping length	16 mm
Conductor cross section flexible	1.5 mm² 25 mm²
Conductor cross section rigid	1.5 mm² 35 mm²
Conductor cross section AWG	15 2
Connection method	Fork-type cable lug
Conductor cross section flexible	1.5 mm² 16 mm²

Dimensions





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Height	89.8 mm
Depth	51.5 mm (incl. DIN rail 7.5 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
Material group	I
Housing material	PA 6.6

Mechanical properties

Mechanical data

Open side panel No

Protective circuit

Direction of action	1L-N/PE
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous voltage $\mathbf{U}_{\mathbb{C}}$	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

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)

Approvals

UL specifications

·				
Nominal voltage	690 V AC			
SPD Type	4CA			
UL connection data				
Tightening torque	30 lb _f -in.			



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Standards and regulations

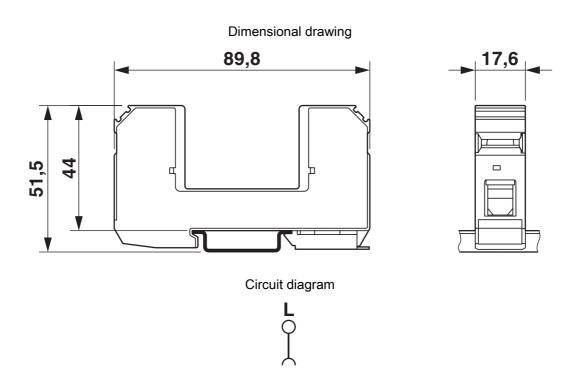
	Standards/specifications	IEC 61643-11
	Standards/specifications	EN 61643-11
Мо	unting	



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Drawings







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Approvals



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



KEMA-KEUR

Approval ID: 71-113273 REV.1



DNV GL

Approval ID: TAE000041M



EAC

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



CSA

Approval ID: 13631



ÖVE

Approval ID: 18583-001-16



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Classifications

ECLASS						
	ECLASS-11.0	27130803				
ET	ETIM					
	ETIM 8.0	EC000472				

UNSPSC

UNSPSC 21.0 39121600



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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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Accessories



Note: Applying some accessories below might limit this product.

MPB 18/1-10/1.0.0 - Wiring bridge

2830443

https://www.phoenixcontact.com/in/products/2830443



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

Max. current carrying capacity: 125 A

MPB 18/4-8 - Wiring bridge

2809283

https://www.phoenixcontact.com/in/products/2809283



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

1 Max. current carrying capacity: 80 A



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MPB 18/3-6 - Wiring bridge

2809241

https://www.phoenixcontact.com/in/products/2809241



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

1 Max. current carrying capacity: 80 A

MPB 18/1-57 - Wiring bridge

2809238

https://www.phoenixcontact.com/in/products/2809238



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

125 A Max. current carrying capacity: 125 A



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MPB 18/1-12 - Wiring bridge

2748593

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

125 A Max. current carrying capacity: 125 A

MPB 18/1-9 - Wiring bridge

2748580

https://www.phoenixcontact.com/in/products/2748580



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

Max. current carrying capacity: 125 A



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MPB 18/1-8 - Wiring bridge

2748577

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

Max. current carrying capacity: 125 A

MPB 18/1- 6 - Wiring bridge

2748564

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

125 A Max. current carrying capacity: 125 A



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MPB 18/1-4 - Wiring bridge

2809225

https://www.phoenixcontact.com/in/products/2809225



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

1 Max. current carrying capacity: 125 A

MPB 18/1-3 - Wiring bridge

2809212

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

125 A Max. current carrying capacity: 125 A



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MPB 18/1-2 - Wiring bridge

2809209

https://www.phoenixcontact.com/in/products/2809209



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

Max. current carrying capacity: 125 A

ZBN 18,LGS:ERDE - Marker for terminal blocks

2749589

https://www.phoenixcontact.com/in/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



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ZBN 18,LGS:L1-N,ERDE - Marker for terminal blocks

2749576

https://www.phoenixcontact.com/in/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

ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

https://www.phoenixcontact.com/in/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



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B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/in/products/1051993



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

DK-BIC-35 - Feed-through terminal block

2749880

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Feed-through terminal block for VAL and FLT applications



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MPB 18/1-2 - Wiring bridge

2809209

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

MPB 18/1-3 - Wiring bridge

2809212

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



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MPB 18/1-4 - Wiring bridge

2809225

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

MPB 18/1-6 - Wiring bridge

2748564

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



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MPB 18/1-7 BU - Wiring bridge

2856278

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Wiring bridge for modules with connecting pitch 17.5 mm, 1-phase, 7-pos., color: Blue

MPB 18/1-8 BU - Wiring bridge

2858470

https://www.phoenixcontact.com/in/products/2858470



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



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MPB 18/1-8 - Wiring bridge

2748577

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

MPB 18/1-9 - Wiring bridge

2748580

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



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MPB 18/1-12 - Wiring bridge

2748593

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

MPB 18/1-57 - Wiring bridge

2809238

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



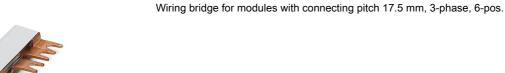
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MPB 18/3-6 - Wiring bridge

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MPB 18/4-8 - Wiring bridge

2809283

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

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