

2817738

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

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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 рс
Minimum order quantity	1 pc
Sales Key	CL1
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	85363010
Country of origin	IN



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## **Technical Data**

### Notes

Note	For installation into a touch protected cabinet. For applications
Note	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.
oduct properties	
IEC test classification	II.
	T2
EN type	T2
Туре	Base element, DIN rail mounting
Product type	Base element
Product family	VALVETRAB MS
Number of positions	1
Surge protection fault message	Remote indication contact
Insulation characteristics	
Overvoltage category	III
Pollution degree	2
ectrical properties	
Nominal frequency f <sub>N</sub>	50 Hz (60 Hz)
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 0	

### Connection data

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



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Remote fault indicator contact

Connection method	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm
Conductor cross section flexible	0.14 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Conductor cross section rigid	0.14 mm <sup>2</sup> 1.5 mm <sup>2</sup>
Conductor cross section AWG	28 16

#### Dimensions

Dimensional drawing
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	96,8	
	<del>≺</del> 89,8	+ 17,6 -
+ +		
5 \$		
51,5		日
, <u>-</u>		

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

## Mechanical properties

Mechanical	data
Mechanical	uala

Open side panel No	
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### Protective circuit

Direction of action	1L-N/PE
Nominal frequency f <sub>N</sub>	50 Hz (60 Hz)
Maximum continuous voltage U <sub>C</sub>	600 V AC
Rated load current IL	80 A
Short-circuit current rating I <sub>SCCR</sub>	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)



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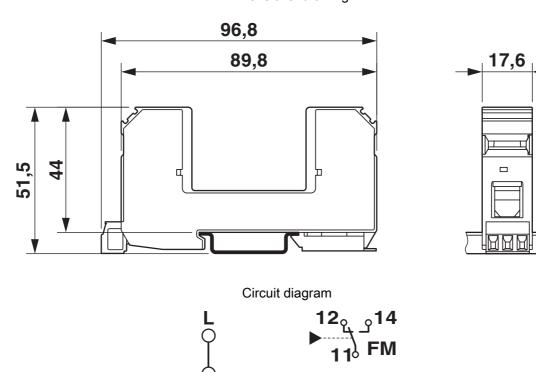
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % 95 %
Shock (operation)	25g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 500 Hz / 2.5 h / X, Y, Z)
oprovals UL specifications	
Nominal voltage	690 V AC
SPD Type	4CA
UL indicator/remote signaling AC operating voltage	125 V AC
AC operating current	1 A AC
UL connection data	
Tightening torque	30 lb <sub>f</sub> -in.
Conductor cross section AWG	14 2
andards and regulations	
Standards/specifications	IEC 61643-11
Standards/specifications	EN 61643-11
ounting	
Mounting type	DIN rail: 35 mm



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# Drawings



Dimensional drawing





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Approvals				
.71	cUL Recognized Approval ID: FILE E 330181			
<b>91</b>	UL Recognized Approval ID: FILE E 330181			
	IECEE CB Scheme Approval ID: AT 2905/M1			
ERC	EAC Approval ID: EAC-Zulassung			
KEUR	KEMA-KEUR Approval ID: 71-113273 REV.1			
	DNV GL Approval ID: TAE000041M			
ERC	EAC Approval ID: RU C-DE.*09.B.00169			
<b>®</b> .	CSA Approval ID: 13631			
ÖVE	ÖVE Approval ID: 18583-001-16			



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# Classifications

### ECLASS

	ECLASS-11.0	27130803		
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

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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

6 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.



6 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.



6 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.

Max. current carrying capacity: 125 A



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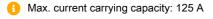
MPB 18/1-12 - Wiring bridge

#### 2748593

https://www.phoenixcontact.com/in/products/2748593



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



### 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.

125 A Max. current carrying capacity: 125 A



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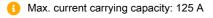
MPB 18/1-8 - Wiring bridge

#### 2748577

https://www.phoenixcontact.com/in/products/2748577



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



### MPB 18/1-6 - Wiring bridge

#### 2748564

https://www.phoenixcontact.com/in/products/2748564



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

https://www.phoenixcontact.com/in/products/2809212



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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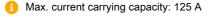
MPB 18/1-2 - Wiring bridge

#### 2809209

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



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



### 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  $\rm mm$ 

### DK-BIC-35 - Feed-through terminal block

2749880 https://www.phoenixcontact.com/in/products/2749880



Feed-through terminal block for VAL and FLT applications



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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.

### MPB 18/1-3 - Wiring bridge

2809212 https://www.phoenixcontact.com/in/products/2809212



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

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



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

### MPB 18/1-6 - Wiring bridge

2748564 https://www.phoenixcontact.com/in/products/2748564



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

https://www.phoenixcontact.com/in/products/2856278



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

https://www.phoenixcontact.com/in/products/2748577



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

### 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.



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MPB 18/1-12 - Wiring bridge

#### 2748593

https://www.phoenixcontact.com/in/products/2748593



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

### 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.



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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.



## 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.

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