

## Type 2 surge arrester - PRT-PV-P-1500/20-680 - 1026507

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Surge protective device for space-saving PCB installation, in accordance with type 2 / CLASS II, for 2-pol isolated 1500 V DC voltage systems and for 3-phase power supply networks up to 690 V AC in combination (L1, L2, L3, PE, N), with integrated remote indication contact in each plug, status indication on the module

### Your advantages

- Small-scale onboard surge protector
- Reliable remote signaling alarm contact function
- Conformance with current standards

### Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 055626 519500
GTIN	4055626519500
Weight per Piece (excluding packing)	75.000 g
Custom tariff number	85354000
Country of origin	China
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Height	44 mm
Width	18.8 mm
Depth	41.9 mm (Without pin length)

#### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-40 °C ... 85 °C
Altitude	≤ 5000 m (Standard insulation)
	≤ 3000 m (Reinforced insulation)

# Type 2 surge arrester - PRT-PV-P-1500/20-680 - 1026507

## Technical data

### Ambient conditions

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)

### General

IEC test classification	#
	PV#
SPD failure behavior	OCM
Installation location	Interior zone
Accessibility	Accessible
Installation location of the disconnect device	Internal
Mounting type	PCB mounting
Color	traffic grey A RAL 7042
Housing material	PBT 10 % GF / PA 6.6
Degree of pollution	2
Flammability rating according to UL 94	V-0

### Additional descriptions

#### Protective circuit DC voltage side (DC)

Maximum continuous operating voltage $U_{CPV}$	800 V DC (Single)
	1600 V DC (2 serial connections)
Continuous operating current $I_{CPV}$	≤ 20 μA (2 serial connections)
Residual current $I_{PE}$	≤ 20 μA (2 in series/ $U_{cpv}$ )
	≤ 0.5 mA (Single/UREF)
Nominal discharge current (8/20) μs	20 kA
Maximum discharge current $I_{max}$ (8/20) μs	40 kA
Voltage protection level $U_p$	≤ 2.7 kV (Single)
	≤ 5.4 kV (2 serial connections)
Response time $t_A$	≤ 25 ns
Insulation resistance $R_{iso}$	> 5 MΩ ( )
Max. backup fuse with branch wiring	125 A (aR)
Recommended backup fuse maximum	100 A (gG)

#### Indicator/remote signaling

Switching function	normal/deterioration
Operating voltage	30 V AC
	30 V DC
Operating current	1 A AC
	1 A DC

#### Standards and Regulations

Standards/regulations	EN 50539-11 2013
-----------------------	------------------

## Type 2 surge arrester - PRT-PV-P-1500/20-680 - 1026507

### Technical data

#### Standards and Regulations

	IEC 61643-11 2011
	IEC 61643-11 2012

### Classifications

#### eCl@ss

eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

#### ETIM

ETIM 5.0	EC000941
----------	----------