

PT 2-PE/S-230AC/FM


Order No.: 2858357



<http://eshop.phoenixcontact.sk/phoenix/treeViewClick.do?UID=2858357>

Pluggable type 3 arrester (device protection) for single-phase power supply networks with separate N and PE (3-conductor system: L1, N, PE) with remote indication contact.



Commercial data	
EAN	 4 017918 878955
Pack	1 pcs.
Customs tariff	85363090
Gross weight in pieces	0.07044 kg
Catalog page information	Page 56 (C-6-2013)

Product notes

WEEE/RoHS-compliant since:
11.05.2006



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Dimensions	
Height	90 mm
Width	17.7 mm
Depth	65.5 mm
Horizontal pitch	1 Div.
Complete module height	90 mm

Complete module width	17.7 mm
Complete module depth	65.5 mm
Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
General	
Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	DIN VDE 0110-1 IEC 60664-1
Surge voltage category	III
Pollution degree	2
Type	DIN rail module, two-section, divisible
Mounting type	DIN rail: 35 mm
Number of positions	2
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE
Protective circuit	
IEC test classification	III T3
EN type	T3
Nominal voltage U_N	230 V AC
Arrester rated voltage U_C	253 V AC
Nominal frequency f_N	50 Hz 60 Hz
Nominal current I_N	26 A (30 °C)
Residual current I_{PE}	$\leq 2.5 \mu A$
Nominal discharge current I_n (8/20) μs	3 kA 3 kA (in acc. with UL 1449)
Nominal discharge current I_n (8/20) μs (L-N)	3 kA
Nominal discharge current I_n (8/20) μs (L-PE)	3 kA
Combined surge U_{oc}	6 kV

Voltage protection level U_p (L-N)	≤ 1.1 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
	≤ 600 V (asymmetrical (PE) static)
Voltage protection level U_p (N-PE)	≤ 1.5 kV
	≤ 600 V (asymmetrical (PE) static)
Residual voltage at In, (L-N)	≤ 1.1 kV
Residual voltage at In, (L-PE)	≤ 600 V
Residual voltage at In, (N-PE)	≤ 600 V
Response time t_A (L-N)	≤ 25 ns
Response time t_A (L-PE)	≤ 100 ns
Max. required back-up fuse	25 A (gL)
	25 A (MCB 25 A B/C)
Short-circuit resistance I_p with max. backup fuse (effective)	1.5 kA
Surge protection fault message	Optical, remote indicator contact

Non-heating apparatus connection, power supply

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Remote indicator contact

Connection name	Remote fault indicator contact
Switching function	N/C contact
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm

Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Maximum operating voltage U _{max.} AC	250 V
Max. operating current I _{max}	3 A AC

Standards and Regulations

Standards/specifications	IEC 61643-1 2005
	EN 61643-11/A11 2007
	UL 1449

Certificates



Certification: CSA, cULus Recognized, GOST, KEMA-KEUR, ÖVE, GL, CCA, IEC/IEE CB Scheme

Certification Ex: cULus Recognized

Certifications applied for:

Accessories

Item	Designation	Description
Marking		
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
0814717	ZBF 15:SO/CMS	Zack Marker strip, flat, white
0808671	ZBF 5,LGS:FORTL.ZAHLEN	Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

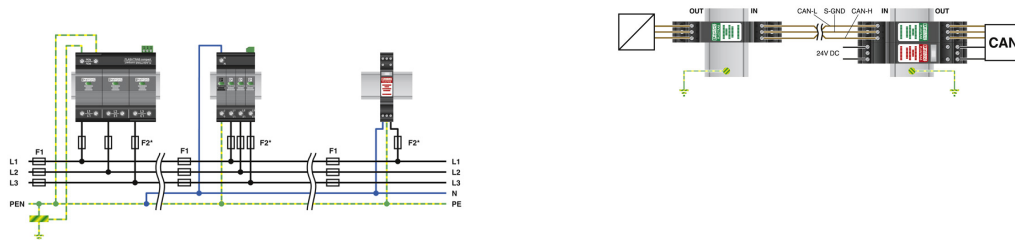
0810821	ZBF 5,LGS:GERADE ZAHLEN	Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm
0810863	ZBF 5,LGS:UNGERADE ZAHLEN	Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm
0808697	ZBF 5,QR:FORTL.ZAHLEN	Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm
0808668	ZBF 5/WH-100:UNBEDRUCKT	Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm
0808707	ZBF 5:SO/CMS	Zack Marker strip, flat, white, for terminal block width: 5 mm
0808642	ZBF 5:UNBEDRUCKT	Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm
0800763	ZBN 18:SO/CMS	Zack marker strip, white, for terminal block width: 18 mm
2809128	ZBN 18:UNBEDRUCKT	Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 18 mm, Lettering field: 18 x 5 mm

Additional products

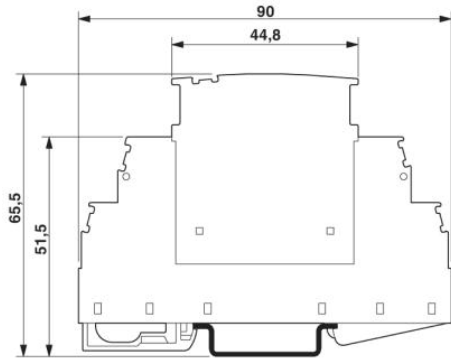
Item	Designation	Description
Assembly		
2839295	SSA 3-6	shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black
2839512	SSA 5-10	Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Drawings

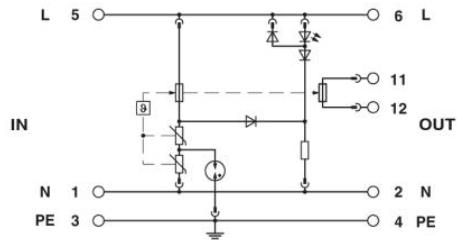
Application drawing



Dimensioned drawing



Circuit diagram



Address

PHOENIX CONTACT, s.r.o.
Mokráň záhon 4
821 04 Bratislava, Slovakia
Phone +420 542 213 401
Fax +421 2 3210 1479
<http://www.phoenixcontact.sk>

© 2014 Phoenix Contact
Technical modifications reserved;