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► Extract from the online catalog



Surge protection type 3, as device protection for termination devices, error indication and remote indicator contact. Version: 230 V AC

Order No.	2858357
Ord designation	PT 2-PE/S-230AC
EAN	4017918878955
Pack	1 Pcs.
Customs tariff	85363090
Catalog page information	Page 30 (TT-2005)

► Technical data

Standards

Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black
Standards for air and creepage distances	DIN VDE 0110-1
Standards for air and creepage distances	IEC 60664-1: 1992-10
Standards for air and creepage distances	DIN VDE 0675-6
Standards for air and creepage distances	IEC 61643-1
Surge voltage category	III
Degree of contamination	2
Degree of protection	IP20
Design	DIN rail module, two-section, divisible
Mounting type	DIN rail 35 mm
Ambient temperature (operation)	-40 °C ... 85 °C
Direction of action	1L-N & N-PE

Protective circuit

IEC category	III
VDE requirement class	D
EN type	T3
Nominal voltage U_N	230 V AC
Arrester rated voltage U_c	275 V DC
Arrester rated voltage U_c	253 V AC
Nominal frequency f_N	50 Hz
Nominal frequency f_N	60 Hz
Nominal current I_N	26 A (at 30°C)
Operating current I_c at U_c	
Discharge current to PE at U_c	
Nominal discharge surge current I_n (8/20) μ s (L-N)	3 kA
Nominal discharge surge current I_n (8/20) μ s (L-PE)	3 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (L-N)	10 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (L-PE)	10 kA
100% lightning impulse sparkover voltage (1.2/50) μ s (L-PE)	
Combined surge U_{oc}	6 kV
Energy absorption symmetrical	170 J
Energy absorption, asymmetrical	85 J
Protection level U_p (L-N)	
Protection level U_p (L-PE)	
Protection level U_p (L-PE)	
Protection level U_p (N-PE)	
Protection level U_p (N-PE)	
Residual voltage at I_n , (L-N)	
Residual voltage at I_n , (L-PE)	
Response time t_A (L-N)	
Response time t_A (L-PE)	
Required max. back-up fuse	25 A (gL/C)
Message surge protection faulty	Optical, remote indicator contact

Connection, equipotential bonding

Tightening torque, min	0.8 Nm
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Connection, protective circuit

Standards/regulations	IEC 61643-1
Standards/regulations	prEN 61643-1
Standards/regulations	E DIN VDE 0675-6/A1
Standards/regulations	E DIN VDE 0675-6/A2
Standards/regulations	UL 1449
Standards/regulations	NF C61-740

Remote indicator contact

Connection name	Remote fault indicator contact
Switching function	Öffner
Type of connection	Screw connection
Conductor cross section, flexible max.	2.5 mm ²
Conductor cross section, rigid 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

► Certificates

CUL

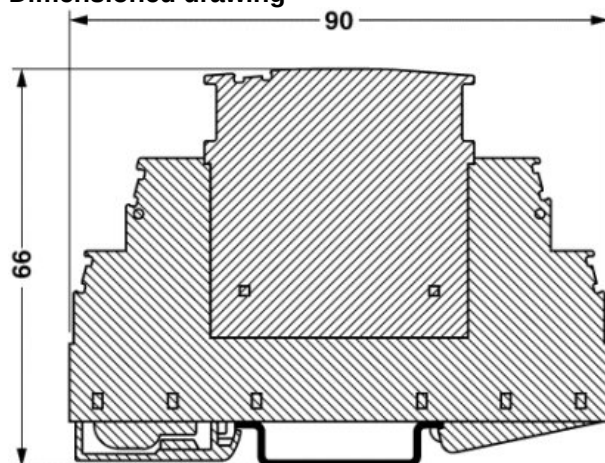
Nominal voltage U_N	230 V
Nominal current I_N	20 A

UL

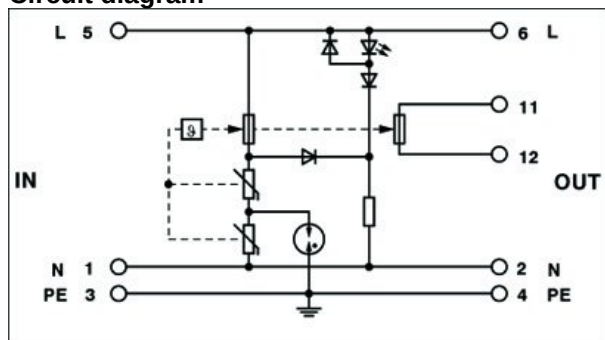
Nominal voltage U_N	230 V
Nominal current I_N	20 A

► Drawings

Dimensioned drawing



Circuit diagram



Approval logo



Logo



► Accessories

Item	Designation	Description
Marking		
1050004	ZB 5 :UNBEDRUCKT	Zack strip, unprinted, 10-section, for individual labeling with M-PEN, ZB-T or CMS system, pack is sufficient for 100 terminal blocks, for a terminal width of 5.2 mm, color: White
2715212	ZB 5,8,LGS:FORTL.ZAHLEN	Zack marker strip, 10-section, printed horizontally: with consecutive numbers, 1-10, 11-20 etc. up to 991-1000, color: white
1050305	ZB 5,8:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements
2715209	ZB 5,8:UNBEDRUCKT	Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 5.8 mm, color: White
1050017	ZB 5,LGS:FORTL.ZAHLEN	Zack strip, 10-section, printed horizontally: with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white
1050415	ZB 5,LGS:L1-N,PE	Zack strip, printed horizontally, strips with 10 labels, L1, L2, L3, N, PE, L1, L2, L3, N, PE, color: white
1050295	ZB 5:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements

► Additional products

Item	Designation	Description
Assembly		
2839295	SSA 3-6	Shield fast connection for diameter 3-6 mm
2839512	SSA 5-10	Shield fast connection for diameter 5 -10 mm

► Address

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