

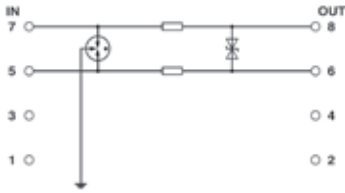
SURGE PROTECTION FOR MEASUREMENT AND CONTROL DEVICES

SURGE PROTECTIONS FOR ICT NETWORKS AND EQUIPMENTS

K400CL



Analog and Digital Signals Surge Protection, 6,2 slim mm

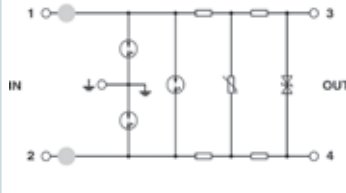


S400CL-1



pending

Analog and Digital Signals Surge Protection with knife disconnecter



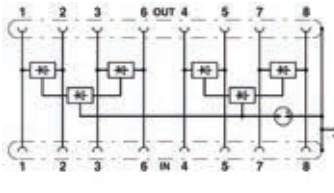
S400ETH-DSK

Cat.5 → 100 Mbps
Cat.5e → 1 Gbps
(Cat. 6 cable)

PoE
power over
ethernet



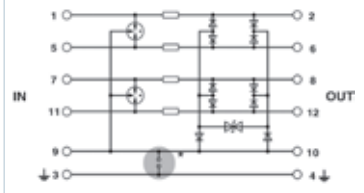
Ethernet Networks Surge Protections, Class.D/Cat.5, 1Gbit/s, PoE



S400NET



Ethernet, serial, fieldbus networks Surge Protections, 5 wires



C1 / C2 / C3 / D1	C1 / C2 / C3 / D1	B2 / C1	C1 / C2 / C3 / D1
24 Vdc	24 Vdc		5 Vdc
36 Vdc / 25 Vac	30 Vdc / 21 Vac	±5 Vdc (±57 Vdc / PoE+)	5,2 Vdc / 3,6 Vac
(Core-Core) 5 kA / (Core-Ground) 5 kA	(Core-Core) 5 kA / (Core-Ground) 5 kA	(Core-Core) 350 A / (Core-Ground) 350 A	(Core-Core) 10 kA / (Core-Ground) 10 kA
(Core-Core) 10 kA / (Core-Ground) 10 kA			(Core-Core) 10 kA / (Core-Ground) 10 kA
500 A	500 A		
350 mA (40°C)	300 mA (40°C)	≤1,5 A (25°C)	450 mA (45°C)
20 kA	10 kA		20 kA
(Core-Core) ≤50 V (C3-10A) / (Core-Ground) ≤650 V (C1-500 V / 250A)	(Core-Core) ≤ 45 V / (Core-Ground) ≤ 650 V	(Core-Core) ≤90 V (B2-1kV/25A) ≤ (Core-Ground) 700 V (B2-1kV/25A)	(Core-Core) ≤ 45 V (C3-25A) / (Core-Ground) ≤ 45 V (C3- 25A)
(Core-Core) ≤1 ns / (Core-Ground) ≤100 ns	(Core-Core) ≤1 ns / (Core-Ground) ≤100 ns	(Core-Core) ≤1 ns / (Core-Ground) ≤100 ns	(Core-Core) ≤500 ns / (Core-Ground) ≤500 ns
315 mA	315 mA		500 mA
tip.6 MHz	tip.6 MHz	> 100 MHz	tip. 60 MHz
3,3 Ohm	3,3 Ohm		2,2 Ohm
		(core-core) ≤ 35V / (Core-Ground) ≤ 700V	(core-core) ≤ 15V / (Core-Ground) ≤ 15 V
0,14..2,5 mm ² / 0,2..2,5 mm ²	0,2..2,5 mm ² / 0,2..2,5 mm ²		0,2..4 mm ² / 0,2..2,5 mm ²
6,2 x 93 x 102,5 mm	6,2 x 94,8 x 69,1 mm	28 x 110 x 60 (76 with connection) mm	17,7 x 90 x 65,5 mm
-40°C.. +80°C	-40°C.. +80°C	-40°C.. +80°C	-40°C.. +80°C
IP20	IP20	IP20	IP20
V0	V0	V0	V0
PBT	PA 6.6	ABS	PA
Screw connection	Screw connection	RJ45	Screw connection
		Token Ring, ISDN, DS1, Ethernet, Power over Ethernet	PROFIBUS DP, RS485, RS422, INTERBUS remote bus, CAN Bus, ModBUS RTU/ASCII/TCP-IP
IEC 61643-21 / DIN EN 61643-21 / IEC 60664-1 / EN 60079-11 CE, UL Listed	CE	IEC 61643-21 / EN 50173-1 / ISO/IEC 11801-Am.1 CE, UL Listed	IEC 61643-21/A1 / EN 61643.-21/A1 CE, UL Listed