

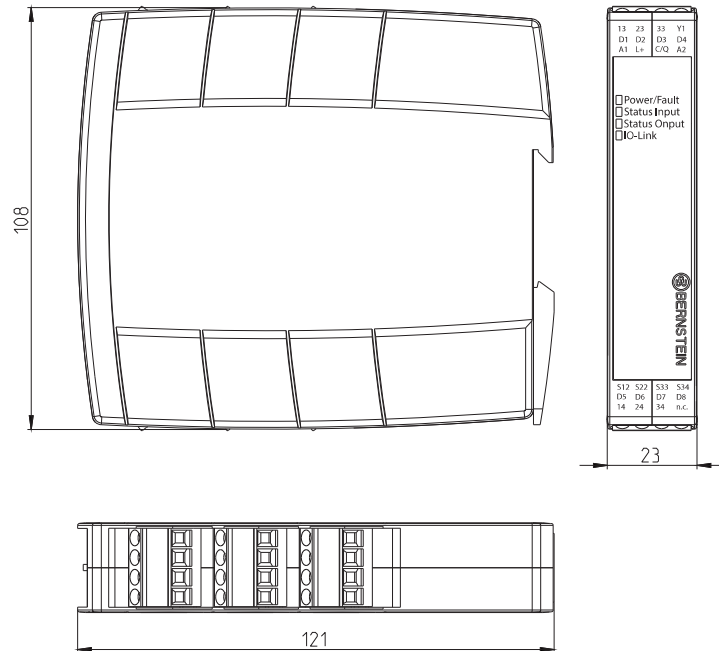
Safety Relay Series SCR

Description **SCR DI-1/8/3-T**

Article number **6075113140**

Connection

Clamp	Function
A1	+
L+	IO-Link 24 V
C/O	IO-Link CQ
A2	GND
S12	OSSD Input 1
S22	OSSD Input 2
S33	automatic RESET
S34	manual RESET
D1	PNP Output 01
D2	PNP Output 02
D3	PNP Output 03
D4	PNP Output 04
D5	PNP Output 05
D6	PNP Output 06
D7	PNP Output 07
D8	PNP Output 08
13	safety circuit 1
23	safety circuit 2
33	safety circuit 3
Y1	external device monitoring
14	safety circuit 1
24	safety circuit 2
34	safety circuit 3
n.c	n.c.



Electrical Data

Rated operating voltage	U_e	24 V DC, Reverse polarity protection, +25 %, - 20 %, PELV / SELV power supply unit
No-load current	I_0	≤ 50 mA
Voltage level		according to Typ 3 EN 61131-2
Time delay before availability	t_v	max. 2 s
Switch-off delay	t_a	<20 ms
Switch-on delay	t_e	<100 ms
PNP signal outputs		PNP, N.O. (closed by opened protective device)
Rated operational current	I_e	50 mA (each PNP signal output 1-8)
Voltage drop	U_d	< 3,5 V (each PNP signal output)
Rated impulse withstand voltage	U_{imp}	4 kV
Overvoltage category		II
Short-circuit protection		yes
Electromagnetic interference		according to EN 61326-1, EN 61326-3-1 and EN 61131-9

Output data / relay outputs	
Rated switching capacity	250 V AC, 8 A, AC1, 2000 VA
Utilization category	AC 15: 230 V / 5 A DC 13: 24 V / 5 A
Output function	3 N.O. Series connection of 2 forcibly guided relays
Contact material	AgCuNi +0,2 µm Au

IO – LINK specification	
IO – LINK Spec V 1.1	compliant
Speed	COM 2 38400 baud

Mechanical Data	
Enclosure	PA-GF, black (quick fastener for mounting rail)
Front plate	PBT, yellow
Indication	1 x LED green / red Power / Fault 1 x LED yellow Status Input 1 x LED yellow Status Output 1 x LED green IO-Link
Ambient temperature	0 °C ... +60 °C
Storage temperature	0 °C ... +60 °C
Maximum air humidity	50 % at 40 °C without condensation
Altitude	≤ 2000 m NHN
Connection	screw terminals (0,34-2,5 mm ² / AWG 22-14) Tightening torque 0.5 Nm, stripping length / sleeve length 7 mm
Type of protection	IP20
Degree of pollution	II

Safety data			
Up to PL	e		acc. to EN ISO 13849-1
Category	4		
PFH _D	6,8x10 ⁻⁹ 1/h	Cycle time 600 s	acc. to DIN EN 62061
SIL CL	3	35040 switchings / year	
Service life	20 years		
Stop Category	0		

Standards	
	EN ISO 13849-1
	EN 62061
	EN 60947-5-1
	EN 61326-1, EN 61326-3-1
	EN 61131-9

EU-Conformity	
	according to directive 2006/42/EG (Safety-of-Machinery-Directive)
	according to directive 2011/65/EU (RoHS II)
	according to directive 2014/30/EU (EMV-Richtlinie)
	according to directive 2012/19/EU (EU-WEEE II) 
Approvals	
	TÜV Nord