

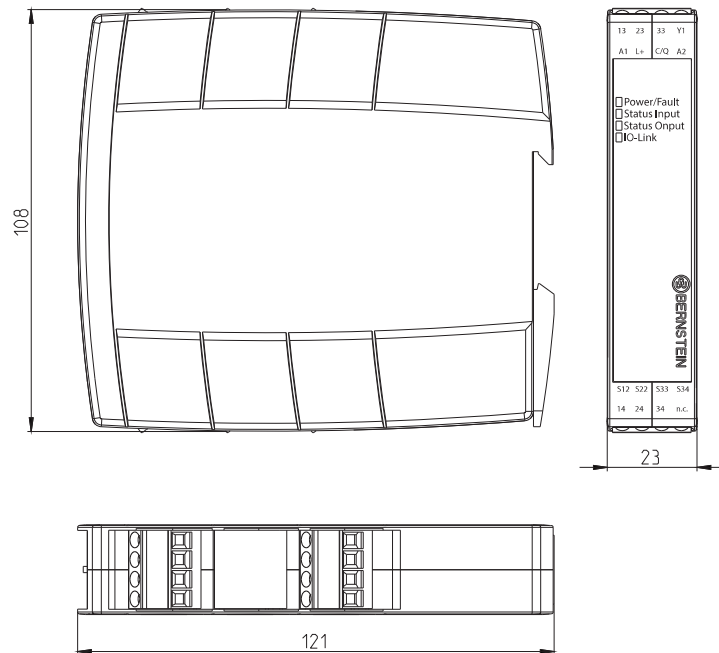
Safety Relay Series SCR

Description **SCR DI-1/0/3-T**

Article number **6075113139**

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
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
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