Relay,3TK2827-1AJ21

URL:https://www.sxplc.com/relay-3tk2827-1aj21

Product data sheet

safety relay with relay enabling circuits (EC) 115 V AC, 45 mm overall width Screw terminal

EC instantaneous: 2 NO EC delayed: 2NO, 0.05...3 s SC: 1NC monitored start Basic device

Maximum achieved SIL: 3/2, PL: e/d

product designation	safety relays
design of the product	for EMERGENCY-STOP and safety doors
General technical data	
protection class IP of the enclosure	IP20
protection class IP of the terminal	IP20
touch protection against electrical shock	finger-safe
insulation voltage rated value	300 V
ambient temperature	
• during storage	-40 ... +80 °C
• during operation	-25 ... +60 °C
air pressure according to SN 31205	90 ... 106 kPa
relative humidity during operation	10 ... 95 %
installation altitude at height above sea level maximum	2 000 m
vibration resistance according to IEC 60068-2-6	5 ... 500 Hz: 0,075 mm
shock resistance	8g / 10 ms
surge voltage resistance rated value	4 000 V
EMC emitted interference	EN 60947-5-1
installation environment regarding EMC	This product is suitable for Class A environments only. In household environments, this device can cause unwanted radio interference. The user is required to implement appropriate measures in this case.
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750	KT
reference code according to EN 61346-2	F
number of sensor inputs	
• 1-channel or 2-channel	1
design of the cascading	none
type of the safety-related wiring of the inputs	single-channel and two-channel
product feature cross-circuit-proof	Yes
Safety Integrity Level (SIL)	
• according to IEC 61508	3
• for delayed release circuit according to IEC 61508	SIL2
SIL Claim Limit (subsystem) according to EN 62061	3
performance level (PL)	
• for delayed release circuit according to ISO 13849-1	d
category according to EN ISO 13849-1	4
hardware fault tolerance according to IEC 61508	1
safety device type according to IEC 61508-2	Type A
PFHD with high demand rate according to IEC 62061	2.7E-9 1/h
Average probability of failure on demand (PFDavg) with low	2.4E-6 1/y