

Data sheet

Commercial Art.No.: R1.310.1120.0

safety switch SIN 1120 AC/DC 24V

Safety switch with separated actuator and guard locking, spring-actuated, 1500 N, 4 NC contacts



certificates / approvals



Technical data

electrical data - contact elements

protection class	II
rated insulation voltage U_i	250 V
rated impulse voltage	2.5 kV
direct opening action	yes
short-circuit protective device	4 A gl

electrical data - magnets

protection class	II
duty cycle	100% ED (at E1; E2)
temperature class-	F (155°C)
power consumption	< 4.4 VA
switch operations permanent	600 1/h
operating voltage	24 V

mechanical data

housing material	thermoplastic GV (UL94-V0)
cover material	thermoplastic GV (UL94-V0)
actuating head material	thermoplastic GV / ZN-GD-
separate actuator	yes
drawing force	> 27 N
interlocking principle	spring force
hold on force-	< 1500 N
min. ambient temperature	-25 °C
max. ambient temperature	70 °C
switching principle contact elements	4 slow-action contacts max.



mechanical life	10 ⁶ switching cycles
fastening	4 x M5
connection type	spring clamp connection
max. conductor cross section (flex., stranded)	0.5 mm ²
max. conductor cross section (flex., stranded)	1.5 mm ²
cable entry	3 x M20x1.5
weight	0.35 kg
installation position	operator definable
degree of protection (IP)	IP67

classification

ECLASS 11	
ECLASS 8.1	27270611
ETIM 9.0	EC002593
ETIM 8.0	EC002593
ETIM 7.0	EC002593
ETIM 6.0	EC002593
ETIM 5.0	EC002593
ETIM 4.0	EC002593

product compliance

ROHS conformity status	compliant
REACH-SVHC conformity status	compliant