Features

- Thermoplastic
- M12 8 poles connector
- Many safety applications
- Electromagnetic interlocking device **RFID coded**
- Conforming to EN ISO 14119 for the control of movable guards, without guard locking function.

RS PRO Limit Switches

RS Stock No.: 0860342



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Limit Switches

Product Description

Electromagnetic device with separated actuator, represents a reliable and actual solution as interlocking device with guard. This electromagnetic safety switch is controlled by a solenoid, which is able to block the actuator and act as safety interlock, in order to prevent the access to the protected area up to the persistence of the dangerous situation.

General Specifications

Actuating Head	Separated actuator (coded key included)
Head orientation	0°
Safety outputs	2NC (commanded by solenoid)
Signalling outputs	1NC (Key inserted and recognized)
Principle of operation	Electrical interlock
Contact Type	Non-overlapping slow action contacts
Colour	Black-Red
Applications	Various
Interlock type according to EN ISO 14119	Type 4
Encoding level according to EN ISO 14119	High
Solenoid power supply	24 (+/-10%) Vdc
Auxiliary release	By safety screw
Performance Level according to EN 13849-1	Up to PLe
SIL level according to EN 62061	Up to Sil 3

Materials	
Housing Material	Thermoplastic
Head Material	Thermoplastic
Actuator	Steel

Limit Switches

Electrical Specifications

Output Type	Analogue
Rated Insulation Voltage Ui	30V (pollution degree3)
Impulse Withstand Voltage Uimp	0.8KV
Contact rating according to UL 508	Class II
Conventional thermal current in free air Ith (θ min 40 ° C)	2A
Operating currents Ie - AC-15 (50-60 Hz) according to IEC 60947-5-3	24V - 2A
DC-13 operating currents according to IEC 60947-5-1	24V - 2A
Resistance Between Contacts	50 mOhm
Max. current	0.5A

Mechanical Specifications

Switching Frequency	600 cycles/hour
Maximum switching speed	20 m/min
Electrical connections	8 poles M12 male connector
Min. actuating force (extraction)	15N (30N)
Retention force	1200N
Dimensions	40x190 h50
Weight	0.6Kg
Mechanical Life (millions of operations)	1
B10d (millions of operations)	2

Operation Environment Specifications

Maximum Operating Temperature	55°C
Minimum Operating Temperature	-20°C
Storage Temperature	-30°C to 80°C

Protection Category

IP Rating	IP65
Class of Protection Against Electric Shock	Class II

Classification

eCl@ss Version	-
UNSPSC Version	-

Approvals

Compliance/Certifications	cULus - FCC - CE - RHOS
Standards Met	IEC 60947-5-1 / EN 60947-5-1 / EN ISO 14119
Reference Directives	2006/42/CE - 2014/35/UE

Similar Products

Parameters	Stock#	Stock#	Stock#	Stock#
Brand	RS RPO	RS RPO	RS RPO	RS RPO
Actuator Type				
Pole and Throw Configuration				
Normal State Configuration				
Contact Type				
Position Indicator				
Operating Speed				
Output Type				
Maximum Current				
Maximum AC Voltage				
Maximum DC Voltage				
Frequency				
Connection Type				
Terminal Type				
Switches				
Contact Resistance				
Rated Insulation Voltage				
Impulse Withstand Voltage				
Insulation Resistance				
Operating Force				
Mounting Orientation				
Cable Length				
Dimensions				
Length				
Width				
Depth				
Shaft				
Mechanical Life (Minimum)				
Contact Gap				
Weight				
Maximum Operating Temperature				
Minimum Operating Temperature				
Shock Resistance				
Vibration Resistance				
IP Rating				
Class of Protection Against Electric Shock				
Standards Met				
Hazardous Area Certification				

Accessory parts

Adjustable joint key with RFID TAG inside	KEY29R
8 poles PVC cable with M12 female connector	144 7660

CONSTRACTIONAL/SCHEMATIC DIAGRAMS / INSTALLATION METHODS / ILLUSTRATIONS