

Circuit Interlock Switch

Allen Bradley Guardmaster ELF Series

• 440K-E33080 [2NC]

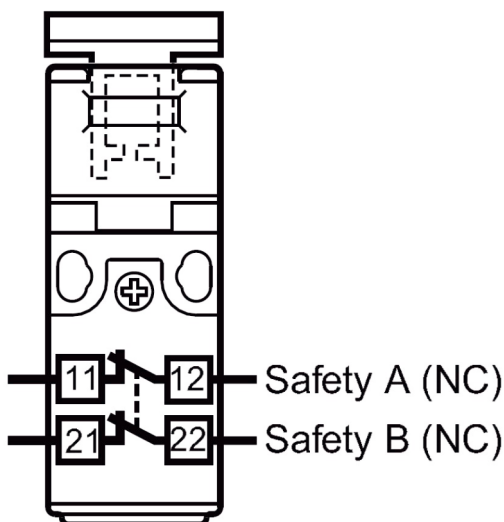
Please contact us if you require a different contact configuration.



Note: Information in this document is derived from the manufacturers data sheet for the 440K-E33080 Series. Please contact us if you require this or more information.

Pinouts

2NC

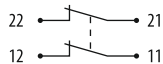


Wiring

2NC



Elf



Elf

Environmental Protection:
IP67 watertight and dustproof

Contact configurations available:
2NC or 1NO / 1NC

Conduit Connection: M16

Please contact us if you require a different contact configuration.

Specifications

Safety Ratings	
Standards	EN954-1, ISO13849-1, IEC/EN60204-1, NFPA79, EN1088, ISO14119, IEC/EN60947-5-1, ANSI B11.19, AS4024.1
Safety Classification	Cat. 1 Device per EN954-1 Dual channel interlocks suitable for Cat. 3 or 4 systems
Certifications	CE Marked for all applicable directives, cULus, TĐV, and CCC

Outputs	
Safety Contacts *	1 N.C. 2 N.C.
Direct Opening Action	
Auxiliary Contacts	1 N.O. None
Thermal Current I_{th}	5 A (10 A if A600)
Rated Insulation Voltage	2500V
Switching Current @ Voltage, Min.	5 mA @ 5V DC

Utilization Category					
A600/AC-15	(Ue)	600V	500V	240V	120V
	(Ie)	1.2 A	1.4 A	3.0 A	6.0 A
DC-13	(Ue)	24V			
	(Ie)	2 A			

Operating Characteristics	
Break Contact Force, Min.	6 N (1.35 lbf)
Actuation Speed, Max.	160 mm (6.29 in.)/s
Actuation Frequency, Max.	2 cycles/s
Operating Radius, Min	150 mm (5.90 in.) [60 mm (2.36 in.) with GD2 kit, min.]
Operating Life @ 100 mA load	1 x 10 ⁶ operations

Environmental	
Enclosure Type Rating	IP67
Operating Temperature [C (F)]	-20đ+80fl (-4đ+176fl)

Physical Characteristics	
Housing Material	UL Approved glass-filled PBT
Actuator Material	Stainless Steel
Weight [g (oz)]	60 (2.11)
Color	Red

* Usable for ISO 13849-1:2006 and IEC 62061. Data other than B10d is based on:

- Usage rate of 1op/10 mins., 24 hrs/day, 360 days/year, representing 51840 operations per year
- Mission time/Proof test interval of 38 years

* The safety contacts are described as normally closed (N.C.) i.e., with the guard closed, actuator in place (where relevant) and the machine able to be started.

Contact			Actuator Type	M16
Safety	Auxiliary	Action		
1 N.C.	1 N.O.	BBM	Flat	440K-E33036
2 N.C.	—	—	Flat	440K-E33080