

Circuit Interlock Switch

Allen Bradley Guardmaster Trojan 5 Series

• 440K-T11467 [2NC/1NO]

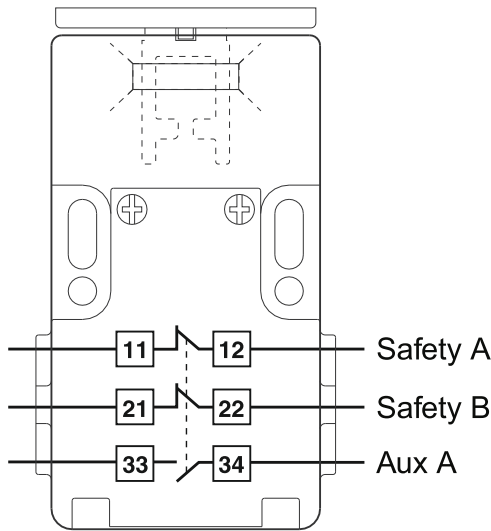
Please contact us if you require a different contact configuration.



Note: Information in this document is derived from the manufacturers data sheet for the 440K-T11467 Series. Please contact us if you require this or more information.

Pinouts

2NC/1NO



Specifications

Safety Ratings	
Standards	EN 954-1, ISO 13849-1, IEC/EN 60204-1, NFPA 79, EN 1088, ISO 14119, IEC/EN 60947-5-1, ANSI B11.19, AS 4024.1
Safety Classification	Cat. 1 device per EN 954-1 dual channel interlocks suitable for Cat. 3 or 4 systems
Functional Safety Data *	B10d: > 2 x 10 ⁶ operations at min. load PFH _D : > 3 x 10 ⁻⁷ MTTFd: > 385 years Dual channel interlock may be suitable for performance levels Plc or Pld (according to ISO 13849-1:2006) and for use in SIL2 or SIL3 systems (according to IEC 62061) depending on application characteristics
Certifications	CE Marked for all applicable directives, cULus, T&V, and CCC

Outputs			
Safety Contacts *	3 N.C.	2 N.C.	2 N.C.
Direct Opening Action			
Auxiliary Contacts	1 N.O.	2 N.O.	1 N.O.
Thermal Current/ <i>I_{th}</i>	10 A		
Rated Insulation Voltage	(U _i) 500V		
Switching Current @ Voltage, Min.	5 mA @ 5V DC		

Utilization Category				
Trojan 5 A300/AC-15	(Ue)	240V	120V	
	(Ie)	3 A	6 A	
DC-13	(Ue)	24V	24V	
	(Ie)	2 A		
Trojan 6 A600/AC-15	(Ue)	600V	500V	240V 120V
	(Ie)	1.2 A	1.4 A	3 A 6 A
DC-13	(Ue)	24V		
	(Ie)	2 A		

Operating Characteristics	
Break Contact Force, Min.	Trojan 5: 12 N (2.7 lbf) & 30 N (6.75 lbf) Trojan 6: 20 N (4.5 lbf)
Actuation Speed, Max.	160 mm (6.29 in.)/s
Actuation Frequency, Max.	2 cycles/s
Operating Radius, Min	175 mm (6.89 in.) [60 mm (2.36 in.) with flexible actuator]
Operating Life @ 100 mA load	1 x 10 ⁶ operations

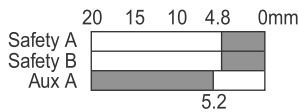
Environmental	
Enclosure Type Rating	IP67
Operating Temperature [C (F)]	-205+80f (-45+176f)

Physical Characteristics	
Housing Material	UL Approved glass-filled PBT
Actuator Material	Stainless Steel
Weight [g (lb)]	160 (0.35)
Color	Red

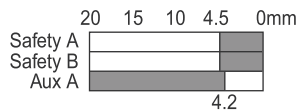
* Usable for ISO 13849-1:2006 and IEC 62061. Data other than B10d is based on:
 - Usage rate of 10p/10 mins., 24 hrs/day, 360 days/year, representing 51840 operations per year
 - Mission time/Proof test interval of 38 years
 * The safety contacts are described as normally closed (N.C.) i.e., with the guard closed, actuator in place (where relevant) and the machine able to be started.

Wiring

2NC/1NO



BBM
440K-T11467



MBB
440K-T11468

Environmental Protection:
IP67 watertight and dustproof

Contact configurations available:
2NC, 1NO (BBM and MBB versions)

Conduit Connection: M20

Please contact us if you require a different contact configuration.

Contact			Actuator Type	M20
Safety	Auxiliary	Action		
2 N.C.	1 N.O.	BBM	Guide/Fully-Flex	440K-T11467
		MBB	Guide/Fully-Flex	440K-T11468

BBM (Break Before Make) action switch – opens the first set of contacts before closing new contact
 MBB (Make Before Break) action switch – new connection is made before previous connection is broken