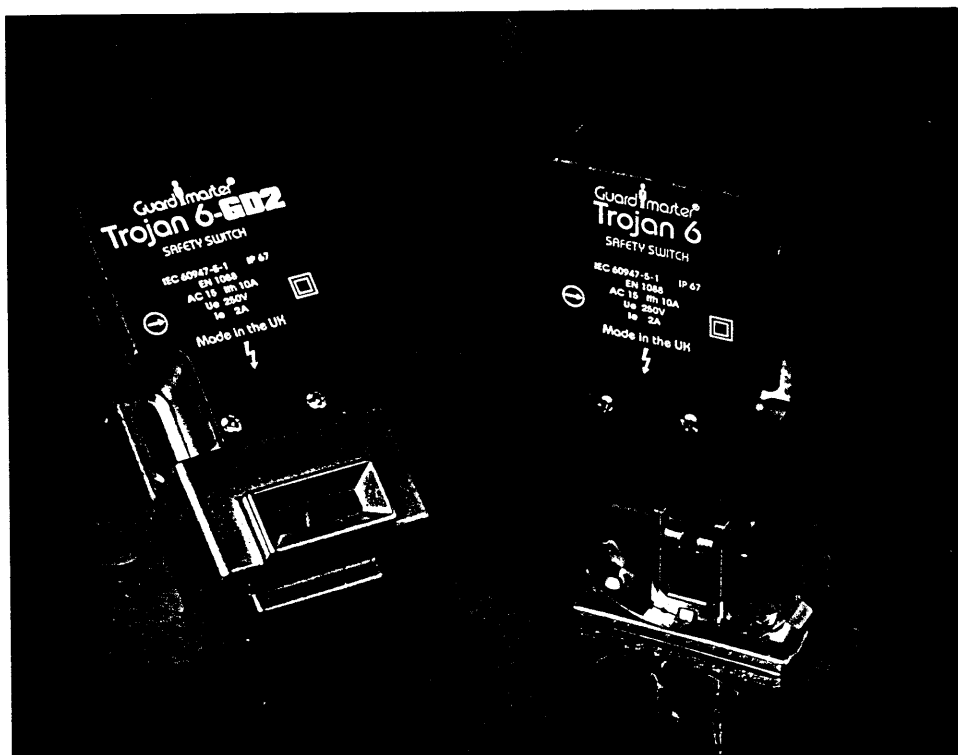


NEW PRODUCT LAUNCH

NEW TROJAN 6 HAS ENHANCED CAPABILITY FOR HIGH RISK APPLICATIONS AND IMPROVED DURABILITY.

Guardmaster's new Trojan 6 safety interlock switch is the first of its size and type to offer up to 4 sets of contacts in a single compact housing. This new contact arrangement means that Trojan 6 can be used in high risk applications where the requirement is for a dual channel system with indication of guard position via a PLC or PC based controller.



...More...

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The Trojan 6 is a tongue operated safety interlock switch that is designed to fit at the opening edge of sliding, hinged or lift-off guards. A 180° rotatable head, movable only by releasing the cover screws, gives the Trojan 6 four actuator entry points with only two actuator slots. This makes the unit extremely versatile for installation purposes.

FULL COMPLIANCE FOR VERSIONS WITH 3 AND 4 POLE CONTACT SETS

The Trojan 6 is available with either 3 or 4 sets of contacts (e.g. 3 N/C+1 N/O, 2N/C + 2N/O). Both variants conform to EN 1088, EN 60947-5- 1, EN 60204- 1 and EN 292 and include all the necessary safety related functions, such as forced guided contacts and a tamper resistant mechanism, which allow machinery to be safeguarded in compliance with the Machinery Directive.

...More...

The versatility of the Trojan 6 is enhanced by the choice of five actuator types. These are Standard, Flat, Sliding Bolt Actuator (which allows a tag out/ lock out facility), Semi-Flexible and Flexible. The latter two actuators help to lengthen the operating life of the switch by improving mechanical alignment. The Flexible actuator also provides greater flexibility in installation. By allowing 15° of freedom in any direction it enables the Trojan 6 to be fitted on guard doors with radii of as little as 60mm.

The Trojan 6 design provides operational safeguards to users with a self-ejecting key option that prevents operation of the safety switch if its key actuator is not fixed to the guard door. This stops tampering and means that operators with a spare key cannot easily override the switch.

GD2 KIT FOR DEMANDING ENVIRONMENTS

For use in more demanding applications Trojan 6 can be supplied with an optional GD2 kit. The kit comprises a stainless steel head with integrated actuator guide. It improves both the mechanical alignment and mechanical life of the safety switch under arduous operating conditions.

A LEADER IN MACHINERY SAFETY WORLD WIDE

Guardmaster is a world leader in the design and manufacture of machinery interlocking and safety monitoring systems. As a member of EJA Ltd, which is part of Rockwell Automation, Guardmaster is able to offer complete and integrated safety and control systems, including guards, safety mats and machine interlocks, all of which find application in a wide range of industries worldwide.

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Trojan 6 GD2 Technical specification (Provisional)

Specification Outline	Details
Approvals	UL, CUL, BG. - (All Pending)
Conforming to standards	EN 60947-5-1, EN 1088 EN 292, EN 60204-1
Safety contacts	4 N/C or 3 N/C or 2 N/C POSITIVE BREAK (selectable by pt no.)
Utilisation category	AC 15
AC (Ue)	500V 250V 100V
(Ie)	1A 1A 1A
DC	250V 0.5A, 24V 2A
Max. switch current/volt/load	500V / 500VA
Thermal current (Ith)	10A
Minimum current	5V, 5mA DC
Rtd insulation voltage	(Ui) 500V
Rtd impulse voltage withstand	(Uimp) 2500V
Auxiliary contacts	1 N/O or 2 N/O (selectable by pt. no.)
Pollution degree	3
Actuator travel for positive opening	6 mm
Minimum operating radius	175mm (60mm FLEXIBLE ACTUATOR)
Break contact min. force (key retain)	15 N
Max. actuation speed	160 mm/sec
Max. actuation frequency	2 cycles/sec
Case material – body	UL approved glass filled polybutylene terephthalate (PBT)
Head	Stainless steel
Actuator material	Stainless Steel
Protection	IP67
Conduit entry	3 x M20, 3 x Pg11
Operating temp.	20 deg C (neg.) to 80 deg C (pos.)
Fixing	2 x M5
Mounting	Any Position
Mechanical life	1 million minimum
Electrical life	1 million minimum
Weight	260 g
Colour	Red / Stainless Steel
Cleaning	May be steam cleaned

5.8 Trojan 6 Technical specification (Provisional)

Specification Outline	Details
Approvals	UL, CUL, BG. - (All Pending)
Conforming to standards	EN 60947-5-1, EN 1088 EN 292, EN 60204-1
Safety contacts	4 N/C or 3 N/C or 2 N/C POSITIVE BREAK (selectable by pt no.)
Utilisation category	AC 15
AC (Ue)	500V 250V 100V
(Ie)	1A 1A 1A
DC	250V 0.5A, 24V 2A
Max. switch current/volt/load	500V / 500VA
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Auxiliary contacts	1 N/O or 2 N/O (selectable by pt. no.)
Pollution degree	3
Actuator travel for positive opening	6 mm
Minimum operating radius	175mm (60mm FLEXIBLE ACTUATOR)
Break contact min. force (key retain)	15 N
Max. actuation speed	160 mm/sec
Max. actuation frequency	2 cycles/sec
Case material – body head	UL approved glass filled polybutylene terephthalate (PBT)
Actuator material	Stainless Steel
Protection	IP67
Conduit entry	3 x M20, 3 x Pg11
Operating temp.	20 deg C (neg.) to 80 deg C (pos.)
Fixing	2 x M5
Mounting	Any Position
Mechanical life	1 million minimum
Electrical life	1 million minimum
Weight	160 g
Colour	Red
Cleaning	May be steam cleaned