

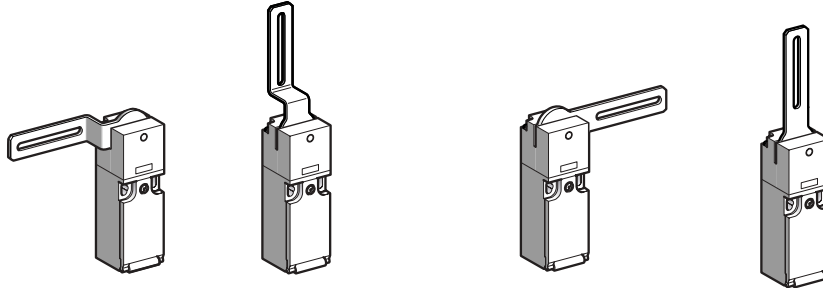
Safety detection solutions

Safety switches with rotary lever or spindle operator
Plastic, double insulated, turret head,
types XCS PL, XCS TL, XCS PR and XCS TR

XCS PL
with 1
cable entry



With rotary operating head, with elbowed lever (flush with rear of switch) or straight lever

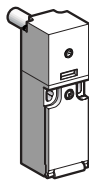


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XCS PR
with 1
cable entry



With rotary operating head, with spindle operator, for hinged covers and guards

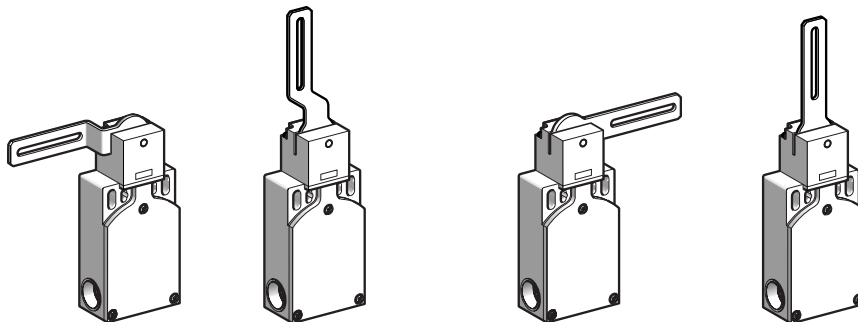


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XCS TL
with 2
cable entries



With rotary operating head, with elbowed lever (flush with rear of switch) or straight lever

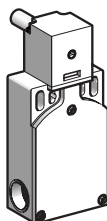


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XCS TR
with 2
cable entries



With rotary operating head, with spindle operator, for hinged covers and guards



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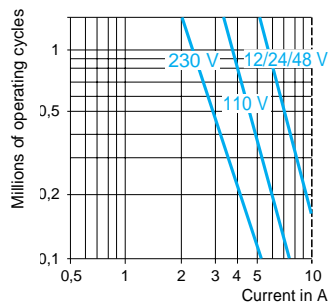
Environment

Conforming to standards	Products	IEC/EN 60947-5-1, EN/IEC 60947-5-4, UL 508, CSA C22-2 n° 14
	Machine assemblies	IEC/EN 60204-1, EN 1088/ISO 14119, EN/ISO 12100
Product certifications		UL, CSA, BG
Protective treatment		Standard version: "TC" and "TH"
Ambient air temperature		Operation: - 25...+ 70 °C. Storage: - 40...+ 70 °C
Vibration resistance		50 gn (10...500 Hz) conforming to IEC 60068-2-6
Shock resistance		50 gn (11 ms) conforming to IEC 60068-2-27
Electric shock protection		Class 2 conforming to IEC 60536
Degree of protection		IP 67 conforming to IEC 60529
Cable entry		Depending on model, either: 1 entry tapped for Pg 11 (n° 11) cable gland, tapped M16 x 1.5 or tapped 1/2" NPT
Materials		Polyamide PA66 fibreglass impregnated enclosure Stainless steel lever and fixings.

Contact block characteristics

Rated operational characteristics	\sim AC-15 ; A300 (Ue = 240 V, Ie = 3 A) \equiv DC-13; Q300 (Ue = 250 V, Ie = 0,27 A) conforming to IEC/EN 60947-5-1 Appendix A
Rated insulation voltage	Ui = 500 V degree of pollution 3 conforming to EN/IEC 60947-1 Ui = 300 V conforming to UL 508, CSA C22-2 n° 14
Rated impulse withstand voltage	U imp = 6 kV conforming to EN/IEC 60947-1, EN/IEC 60664
Positive operation	N/C contact with positive opening operation conforming to IEC/EN 60947-5-1 Section 3
Resistance across terminals	\leq 30 m Ω conforming to EN/IEC 60947-5-4
Short-circuit protection	10 A cartridge fuse type gG (gl)
Cabling	Screw clamp terminals Clamping capacity, min.: 1 x 0.5 mm ² , max.: 2 x 1.5 mm ² with or without cable end
Minimum actuation speed	0.01 m/second
Electrical durability	Conforming to EN/IEC 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour. Load factor: 0.5

a.c. supply \sim 50/60 Hz
 \sim inductive circuit



d.c. supply \equiv

		Power broken in W for 1 million operating cycles		
Voltage	V	24	48	120
\sim	W	13	9	7