Safety detection solutions

Safety switches Metal, turret head (1), types XCS A, B, C and E Cable entries tapped 1/2" NPT

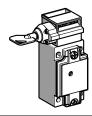
Type of switch

Without locking of key

With locking of key, manual unlocking (2)







LED indication on opening
of N/C contacts

Without	1 0
	LED

1 orange range LED \approx 24/48 V \sim 110/240 V

Without LED

1 orange 1 orange LED \sim 110/240 V \approx 24/48 V

Without

1 orange LED \approx 24/48 V

1 orange \sim 110/240 V

D -	£	£!	and the later of the control of the		1			
H A	TARANCAS N	T CW/ITCHAC	withait a	nneratina	KAV (C	N/C contact with	nocitive opening	n operation)
110			WILLIOUL	operaniq	NCV (N/C contact with	bositive obermit	, operation,

		_								
3-pole N/C + N/O + N/O (2 N/O staggered) slow break (3)	22 4 4 8 7 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	XCS A503 ⊖	XCS A513 ⊖	XCS A523 ⊖	XCS B503	XCS B513 ⊖	XCS B523 ⊖	XCS C503 ⊖	XCS C513 ⊖	XCS C523 ⊖
3-pole N/C + N/C + N/O (N/O staggered) slow break (3)	22 21 32 31 14 13	XCS A703 ⊖	XCS A713 ⊖	XCS A723 ⊖	XCS B703 ⊖	XCS B713 ⊖	XCS B723 ⊖	XCS C703 ⊖	XCS C713 ⊖	XCS C723 ⊖
3-pole N/C + N/C + N/C slow break (3)	22 22 22 23 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	XCS A803 ⊖	-	-	XCS B803	-	-	XCS C803 ⊖	-	-
Weight (kg)		0.440	0.440	0.440	0.475	0.475	0.475	0.480	0.480	0.480

Complementary characteristics not shown under general characteristics (page 2/19)

Maximum: 0.5 m/s, minimum: 0.01 m/s
XCS B and XCS C: 1500 N; XCS E: 2000 N
XCS A and XCS E: > 1 million operating cycles
XCS B and XCS C: 0.6 million operating cycles
For maximum durability: 600 operating cycles per hour
To maximum datability. Oco operating dyolog per nour
≥ 20 N
XCS A, XCS B, XCS C: 1 cable entry. XCS E: 2 cable entries.
Entries tapped for 1/2" NPT (USAS B2-1) conduit.
And the second s
Body: zamak. Head: zamak. Safety screws: 5-lobe torque. Protective plate: steel

References of operating keys







Description	Straight key	Wide key	Pivoting key	Latch for sliding doors
For limit switches XCS A, B, C, E	XCS Z01	XCS Z02	XCS Z03	XCS Z05
Weight (kg)	0.020	0.020	0.095	0.600



⁽¹⁾ Adjustable throughout 360° in 90° steps. Blanking plug for operating head slot included with switch.
(2) Unlocking by pushbutton for XCS Beee and by key operated lock for XCS Ceee.
(3) Schematic diagrams shown represent the contact states whilst the operating key is inserted in the head of the switch.

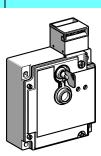
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Safety detection solutions

Safety switches Metal, turret head (1), types XCS A, B, C and E Cable entries tapped 1/2" NPT

Type of switch

With interlocking, locking by electromagnet



Type of interlocking	Locking on de-energisation and unlocking on energisation of electromagnet (2). To order a limit switch with locking on energisation and unlocking on de-energisation of the electromagnet, replace the 2 nd number by 5 in the references shown below. Example: XCS E5313 becomes XCS E5513.							
LED indication		Orange LED: "guard open" signalling. Green LED: "guard closed and locked" signalling.						
Supply voltage of electromagnet	~ or <u></u> 24 V (50/60 Hz on ~)	\sim or $=$ 48 V (50/60 Hz on \sim)	∼ or <u></u> 110/120 V (3) (50/60 Hz on ∼)	∼ or <u></u> 220/240 V (3) (50/60 Hz on ∼)				
Type of contact on electromagnet	N/C + N/O 2 N/C	N/C + N/O	N/C + N/O 2 N/C	N/C + N/O				

References of switches without operating key (N/C contact with positive opening operation)

				<u> </u>			
3-pole N/C + N/O + N/O (2 N/O staggered) slow break (4)	22 4 4 8 12 12 12 12 12 12 12 12 12 12 12 12 12	XCS E5313 ⊖	_	XCS E5323	XCS E5333 ⊖	_	XCS E5343 ⊖
3-pole N/C + N/C + N/O (N/O staggered) slow break (4)	32 21 31 14 7 13	XCS E7313	XCS E73137 ⊖	XCS E7323 ⊖	XCS E7333 →	XCS E73337 →	XCS E7343 ⊖
3-pole N/C + N/C + N/C slow break (4)	22 22 22 23 23 24 24 24 24 24 24 24 24 24 24 24 24 24	XCS E8313 → (5)	-	XCS E8323	XCS E8333 → (5)	-	_
Weight (kg)		1.140		1.140	1.140		1.140

Electromagnet characteristics

Load factor	100 %							
Rated operational voltage	\sim or $=$ 24 V	\sim or $=$ 48 V	\sim or $=$ 110/120 V	\sim or $=$ 220/240 V				
Voltage limits	- 20 % + 10 % of the rated o	- 20 % + 10 % of the rated operational voltage (including ripple on) conforming to IEC/EN 60947-1						
Service life	20,000 hours							
Consumption	Inrush: 10 VA. Sealed: 10 V	A						

LED indicator characteristics

Rated insulation voltage	50 V conforming to IEC/EN 60947-1	250 V conforming to IEC/EN 60947-1
Current consumption	7 mA	7 mA
Rated operational voltage	\sim or $=$ 24/48 V	\sim 110/240 V
Voltage limits	\sim or <u> </u>	\sim 95/264 V (including ripple on $=$ -)
Service life	100 000 hours	100 000 hours
Protection against overvoltages	Yes	Yes

- (1) Adjustable throughout 360° in 90° steps. Blanking plug for operating head slot included with switch.

 (2) A key operated lock enables the forced opening of the interlocking device, allowing key withdrawal and subsequent opening of the N/C safety contacts.

 (3) For use on 110/120 V or 220/240 V, remove the LED indicator module.

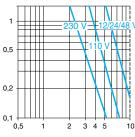
 (4) Schematic diagrams shown represent the contact states whilst the operating key is inserted in the head of the switch.



Safety detection solutions
Key operated safety switches
Metal, types XCS A, XCS B, XCS C and XCS E
Plastic, double insulated, types XCS MP, XCS PA, XCS TA
and XCS TE

tapped for Pg 13.5 (n° 13) cable gland, tapped M20 or tapped 1/2" NPT tapped 1/2" NPT tapped 1/2" NPT (with adaptor) for XCS TA and XCS TE Connecting cable — Pre-cabled, either 4 x 0.5 mm² or 6 x 0.5 m (XCS MP) Materials XCS A/B/C/E Zamak enclosure XCS MP/PA/TA/TE/PL/TL/PR/TR Polyamide PA66 fibreglass impregnated enclosure Contact block characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ~ AC-15, A300: Ue = 240 V, le = 3 A or Ue = 120 V, le = 6 A XCS E, XCS TE: ~ AC-15, B300: Ue = 240 V, le = 0.75 A or Ue = 120 V, le = 3 A XCS MP: ~ AC-15, C300: Ue = 240 V, le = 0.75 A or Ue = 120 V, le = 1.5 A A II models: — DC-13; Q300: Ue = 250 V, le = 0.27 A or Ue = 125 V, le = 0.55 A conforming to IEC/EN 60947-5-1 Rated thermal current in enclosure XCS E, XCS C, XCS PA, XCS TA: lthe = 10 A XCS E, XCS TE: lthe = 6 A XCS E, XCS TE: lthe = 6 A XCS E, XCS TE: lthe = 6 A XCS MP: lthe = 2,5 A Rated insulation voltage Ui = 500 V conforming to IEC/EN 60947-5-1 Uimp = 6 kV conforming to IEC/EN 60947-5-1 Rated impulse withstand voltage XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 Vac S, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 Sor S, XCS S, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1, Section 3 Seistance across terminals ≤30 mΩ conforming to IEC/EN 60947-5-1, Section 3 Sor S, XCS S, XCS C, XCS PA, XCS MP: Uimp = 4 kV conforming to IEC/EN 60947-5-1, Section 3	Environme	ent							
Machine assemblies EC/EN 60204-1, EN 1088, EN 292	Limit switch ty	pe	XCS A, XCS B, XCS C, XCS E (metal case)	XCS MP, XCS PA, XCS TA, XCS TE (plastic case)					
Product certifications		Products	IEC/EN 60947-5-1, UL 508, CSA C22-2 n° 14						
Protective treatment Standard version: "TC"	to standards	Machine assemblies	IEC/EN 60204-1, EN 1088, EN 292						
Ambient air temperature Operation: -25+ 70 °C (-25+40°C for XCS E and -25+60°C for XCS TE)	Product certific	cations	UL, CSA	UL, CSA (c UL us for XCS MP)					
Storage: -40+ 70 °C (-25+80 °C for XCS MP)									
Shock resistance 10 gn (duration 11 ms) conforming to IEC/EN 60068-2-27 (50 gn (duration 11 ms) for XCS MP)	Ambient air ten	nperature		6+ 60°C for XCS TE)					
Shock resistance 10 gn (duration 11 ms) conforming to IEC/EN 60068-2-27 (50 gn (duration 11 ms) for XCS MP)	Vibration resist	tance		(1055 Hz) for XCS MP)					
Class conforming to EC/EN 60536. Class 2 conforming to EC/EN 60536 Degree of protection IP 67 conforming to EC/EN 60529 and EC/EN 60947-5-1 (1)	Shock resistan	ce							
Degree of protection IP 67 conforming to IEC/EN 60929 and IEC/EN 60947-5-1 (1) 1 entry (XCS A, XCS B and XCS C) or 2 entries (XCS E) tapped for Pg 13.5 (n° 13) cable gland, tapped M20 or tapped 1/2° NPT Connecting cable -	Electric shock	protection							
Cable entry 1 entry (XCS A, XCS B and XCS C) or 2 entries (XCS E) tapped for Pg 13.5 (n° 13) cable gland, tapped M20 or tapped 1/2" NPT Connecting cable - Pre-cabled, either 4 x 0.5 mm² or 6 x 0.5 m (XCS MP) Materials XCS A/B/C/E Zamak enclosure Operating keys (all types): steel XC60, surface treated Contact block characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ∼ AC-15, A300: Ue = 240 V, Ie = 3 A or Ue = 120 V, Ie = 6 A XCS E, XCS TE: ∼ AC-15, B300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 0.55 A conforming to IEC/EN 60947-5-1 Rated thermal current in enclosure A XCS A, XCS B, XCS C, XCS PA, XCS TA: ∼ AC-15, B300: Ue = 120 V, Ie = 0.55 A conforming to IEC/EN 60947-5-1 Ui = 300 V conforming to IEC/EN 60947-5-1 VCS S, XCS TE: NCS TE: \text{NCS TE: the = 6 A XCS E, XCS TE: \text{NCS TE: the = 6 A XCS E, XCS TE: \text{NCS TE: the = 6 A XCS E, XCS TE: \text{NCS TE: the = 6 A XCS MP: (he = 0.75 A CS MP: (he = 0.7			, , , , , , , , , , , , , , , , , , ,	,					
tapped 1/2" NPT to tapped 1/2" NPT to tapped 1/2" NPT to tapped 1/2" NPT to tapped 1/2" NPT (with adaptor) for XCS TA and XCS TE Connecting cable	Degree of prote	ection	IP 67 conforming to IEC/EN 60529 and IEC/EN 60947-5-	1 (1)					
Materials XCS A/B/C/E Zamak enclosure Operating keys (all types): steel XC60, surface treated Contact block characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ~ AC-15, A300: Ue = 240 V, Ie = 3 A or Ue = 120 V, Ie = 6 A XCS E, XCS TE: ~ AC-15, B300: Ue = 240 V, Ie = 1.5 A or Ue = 120 V, Ie = 3 A XCS MP: ~ AC-15, C300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 3 A A II models: DC-13; G300: Ue = 250 V, Ie = 0.27 A or Ue = 120 V, Ie = 0.55 A conforming to IEC/EN 60947-5-1 Rated thermal current in enclosure XCS E, XCS TE: the = 6 A XCS MP: Lithe = 2.5 A Rated insulation voltage Ui = 500 V conforming to UL 508, CSA C22-2 n°14 Rated impulse withstand voltage XCS E, XCS TE: the = 6 A XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 XCS E, XCS TE: Uimp = 4 kV conforming to IEC/EN 60947-5-4 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-4 Positive potention 10 A cartridge fuse type gG (gl) Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Ullisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour.	·		tapped for Pg 13.5 (n° 13) cable gland, tapped M20 or	XCS TA and XCS TE					
Zamak enclosure Polyamide PA66 fibreglass impregnated enclosure Contact block characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ∼ AC-15, A300: Ue = 240 V, Ie = 3 A or Ue = 120 V, Ie = 6 A XCS E, XCS TE: ∼ AC-15, B300: Ue = 240 V, Ie = 1.5 A or Ue = 120 V, Ie = 1.5 A All models: DC-13; 0300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 1.5 A All models: DC-13; 0300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 1.5 A All models: DC-13; 0300: Ue = 250 V, Ie = 0.27 A or Ue = 125 V, Ie = 0.55 A conforming to IEC/EN 60947-5-1 XCS A, XCS B, XCS C, XCS PA, XCS TA: Ithe = 10 A XCS MP: Ithe = 2,5 A XCS MP: Ub = 2,5 A Rated insulation voltage Ui = 500 V conforming to IEC/EN 60947-5-1 Ui = 500 V conforming to UL 508, CSA C22-2 n°14 Rated impulse withstand voltage VCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1 N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3 Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² of 6 x 0.5 mm² (XCS MP) <tr< th=""><th>Connecting cal</th><th>ble</th><th></th><th>(XCS MP)</th></tr<>	Connecting cal	ble		(XCS MP)					
Contact block characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ∼ AC-15, A300: Ue = 240 V, Ie = 3 A or Ue = 120 V, Ie = 6 A XCS E, XCS TE: ∼ AC-15, B300: Ue = 240 V, Ie = 1.5 A or Ue = 120 V, Ie = 3 A XCS MP: ∼ AC-15, C300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 3 A XCS MP: ∼ AC-15, C300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 1.5 A AII models: □ DC-13; Q300: Ue = 250 V, Ie = 0.27 A or Ue = 120 V, Ie = 0.55 A CONFORMING TO UE TO U	Materials		XCS A/B/C/E	XCS MP/PA/TA/TE/PL/TL/PR/TR					
Contact block characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ∼ AC-15, A300: Ue = 240 V, Ie = 3 A or Ue = 120 V, Ie = 6 A XCS E, XCS TE: ∼ AC-15, B300: Ue = 240 V, Ie = 1.5 A or Ue = 120 V, Ie = 3 A XCS MP: △ C-15, C300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 3 A XCS MP: □ DC-13; Q300: Ue = 250 V, Ie = 0.27 A or Ue = 120 V, Ie = 0.55 A conforming to IEC/EN 60947-5-1 Rated thermal current in enclosure XCS A, XCS B, XCS C, XCS PA, XCS TA: Ithe = 10 A XCS MP: Ithe = 2.5 A Rated insulation voltage Ui = 500 V conforming to IEC/EN 60947-5-1 Ui = 300 V conforming to IEC/EN 60947-5-1 Ui = 500 V conforming to IEC/EN 60947-5-1 XCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 XCS E, XCS TE, XCS MP: Uimp = 4 kV conforming to IEC/EN 60947-5-4 Positive operation N/C contact with positive operning operation conforming to IEC/EN 60947-5-1, Section 3 Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Only applicable to XCS MP Utilisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour. Utilisation categories AC-15 and DC-13.			Zamak enclosure	Polyamide PA66 fibreglass impregnated enclosure					
Rated operational characteristics XCS A, XCS B, XCS C, XCS PA, XCS TA: ∼ AC-15, A300: Ue = 240 V, le = 3 A or Ue = 120 V, le = 6 A XCS E, XCS TE: ∼ AC-15, B300: Ue = 240 V, le = 1.5 A or Ue = 120 V, le = 3 A XCS MP: ∼ AC-15, C300: Ue = 240 V, le = 0.75 A or Ue = 120 V, le = 1.5 A All models: DC-13; Q300: Ue = 250 V, le = 0.27 A or Ue = 125 V, le = 0.55 A conforming to IEC/EN 60947-5-1 Rated thermal current in enclosure XCS A, XCS B, XCS C, XCS PA, XCS TA: lthe = 10 A XCS E, XCS TE: lthe = 6 A XCS MP: lthe = 2,5 A Rated insulation voltage Ui = 500 V conforming to IEC/EN 60947-5-1 Ui = 300 V conforming to UL 508, CSA C22-2 n°14 XCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 XCS E, XCS TE, XCS MP: Uimp = 4 kV conforming to IEC/EN 60947-5-4 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3 Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Uilisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour. Utilisation categories AC-15 and DC-13.			Operating keys (all types): steel XC60, surface treated						
XCS E, XCS TE: ~ AC-15, B300: Ue = 240 V, Ie = 1.5 A or Ue = 120 V, Ie = 3 A XCS MP: ~ AC-15, C300: Ue = 240 V, Ie = 0.75 A or Ue = 120 V, Ie = 1,5 A All models:	Contact bl	ock characteristi	cs						
Rated thermal current in enclosure XCS A, XCS B, XCS C, XCS PA, XCS TA: lithe = 10 A XCS E, XCS TE: lithe = 6 A XCS MP: lithe = 2,5 A Rated insulation voltage Ui = 500 V conforming to IEC/EN 60947-5-1 Rated impulse withstand voltage XCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3 Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Only applicable to XCS MP Conforming to IEC/EN 60947-5-1 Appendix C Maximum operating rate: 3600 operating cycles per hour. Utilisation categories AC-15 and DC-13.	Rated operation	XCS E, XCS TE: \sim AC-15, B300: Ue = 240 V, le = 1.5 A or Ue = 120 V, le = 3 A XCS MP: \sim AC-15, C300: Ue = 240 V, le = 0,75 A or Ue = 120 V, le = 1,5 A All models: DC-13; Q300: Ue = 250 V, le = 0.27 A or Ue = 125 V, le = 0.55 A							
Rated insulation voltage Ui = 500 V conforming to IEC/EN 60947-5-1 Rated impulse withstand voltage XCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3 Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Only applicable to XCS MP Conforming to IEC/EN 60947-5-1 Appendix C Utilisation categories AC-15 and DC-13.	Rated thermal	current in enclosure	XCS A, XCS B, XCS C, XCS PA, XCS TA: Ithe = 10 A XCS E, XCS TE: Ithe = 6 A						
Ui = 300 V conforming to UL 508, CSA C22-2 n°14 Rated impulse withstand voltage XCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 XCS E, XCS TE, XCS MP: Uimp = 4 kV conforming to IEC/EN 60947-5-4 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3 ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Only applicable to XCS MP Utilisation categories AC-15 and DC-13. Conforming to IEC/EN 60947-5-1 Appendix C Utilisation categories AC-15 and DC-13.	Rated insulation	n voltage							
Rated impulse withstand voltage XCS A, XCS B, XCS C, XCS PA, XCS TA: Uimp = 6 kV conforming to IEC/EN 60947-5-1 Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3 Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Conforming to IEC/EN 60947-5-1 Appendix C Maximum operating rate: 3600 operating cycles per hour. Only applicable to XCS MP Utilisation categories AC-15 and DC-13.									
XCS E, XCS TÉ, XCS MP: Uimp = 4 kV conforming to IEC/EN 60947-5-4	Rated impulse	withstand voltage							
Positive operation N/C contact with positive opening operation conforming to IEC/EN 60947-5-1, Section 3	p 200								
Resistance across terminals ≤ 30 mΩ conforming to IEC/EN 60957-5-4 Short-circuit protection 10 A cartridge fuse type gG (gl) Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Conforming to IEC/EN 60947-5-1 Appendix C Maximum operating rate: 3600 operating cycles per hour. Utilisation categories AC-15 and DC-13.	Positive operat	tion							
Short-circuit protection									
Cabling Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mm², max.: 2 x 1.5 mm² with or without cable end Pre-cabled: 4 x 0.5 mm² or 6 x 0.5 mm² (XCS MP) Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Only applicable to XCS MP Conforming to IEC/EN 60947-5-1 Appendix C Utilisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour. Utilisation categories AC-15 and DC-13.									
Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour. Only applicable to XCS MP Conforming to IEC/EN 60947-5-1 Appendix C Utilisation categories AC-15 and DC-13. Utilisation categories AC-15 and DC-13.			Screw clamp terminals. Clamping capacity, min.: 1 x 0.5 mr	m ² , max.: 2 x 1.5 mm ² with or without cable end					
Electrical durability Conforming to IEC/EN 60947-5-1 Appendix C. Utilisation categories AC-15 and DC-13. Maximum operating rate: 3600 operating cycles per hour. Only applicable to XCS MP Conforming to IEC/EN 60947-5-1 Appendix C Utilisation categories AC-15 and DC-13. Utilisation categories AC-15 and DC-13.									
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Maximum operating rate: 3600 operating cycles per hour. Utilisation categories AC-15 and DC-13.		-	Utilisation categories AC-15 and DC-13.	Conforming to IEC/EN 60947-5-1 Appendix C					
				Maximum operating rate: 900 operating cycles per hour.					

a.c. supply $\sim 50/60 \text{ Hz}$ m inductive circuit



Current in A

d.c. supply —	Power broken in W for 1 million operating cycles						Number of operating cycles: 100,000			
							AC15	DC13		
	Voltage	٧	24	48	120	V	125	30	125	
	m	W	13	9	7	Α	1.5	2.3	0.55	
	(1) Live p	arts of th	e switches	are protecte	ed against the	penetration of	dust and water.	However, wh	en installing take all	
	necessar	y precauti	ons to preve	ent the pene	etration of soli	d bodies, or liqu	uids with a high o	dust content, i	nto the key aperture.	
	Not recor	nmended	for use in s	aline atmos	pheres.					

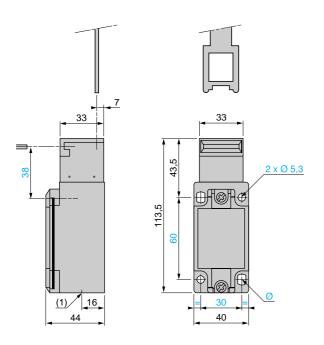
Dimensions

Distributed by General Safety Company Ltd. (416) 645-0242

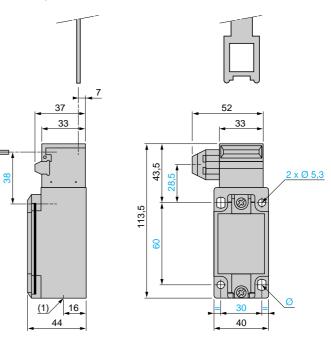
Safety detection solutions Safety switches

Metal, turret head, types XCS A, B, C and E

XCS A



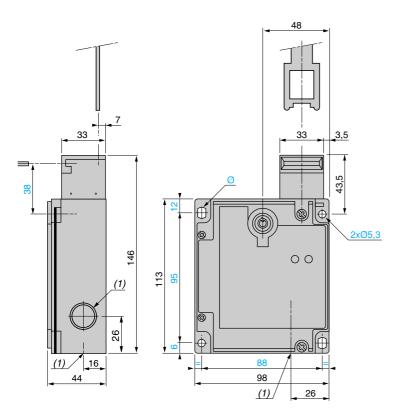
XCS Beee, XCS Ceee



(1) 1 tapped entry for cable gland

(1) 1 tapped entry for cable gland

XCS E



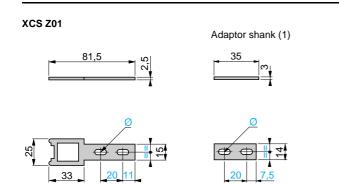
(1) 2 tapped entries for cable gland

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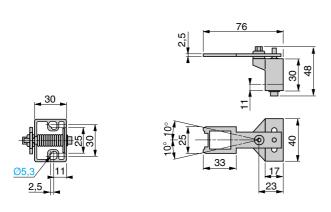
Safety detection solutions

Safety switches Metal, turret head, types XCS A, B, C and E

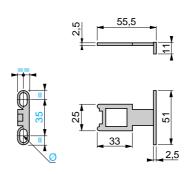


(1) Adaptor (supplied with operating key XCS Z01) for replacing, without drilling additional fixing hole, an XCK J safety limit switch with operating key ZCK Y07 by an XCS A, B, C or E safety limit switch with operating key XCS Z01

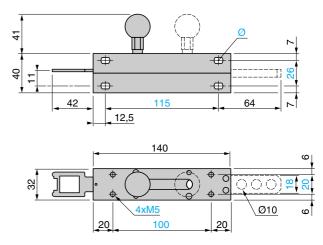
XCS Z03







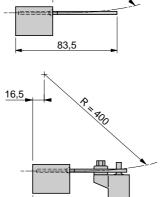
XCS Z05



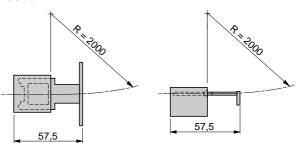
Operating radius required for key XCS Z01

83,5

XCS Z03



XCS Z02



R = minimum radius

0-0

78

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