

### Operating principle

These control stations are fitted with a key operated lock and are designed to provide a starting or authorisation sequence by using the key.

To prevent unauthorised operation (shorting of the contact block) or tampering, the stations are fitted with a special lock featuring a pre-determined key position (other than its withdrawal position) that only allows removal of the front cover by the key holder.

The control stations are supplied with 2 keys.

### Environment

<b>Conformity to standards</b>			EN/IEC 60947-5-1
<b>Protective treatment</b>	Standard version		"TC"
	Special version		"TH"
<b>Ambient air temperature</b>	For operation	°C	- 25...+ 70
	For storage	°C	- 40...+ 70
<b>Electric shock protection</b>	Conforming to IEC 61140		Class I
<b>Degree of protection</b>	Conforming to IEC 60529		IP 54
	Conforming to EN 50102		IK 08
<b>Cable entries</b>			1 tapped entry for cable gland and 1 entry through the rear (Ø 17 mm knock-out), with rubber cable grommet (see dimensions on next page)

### Contact block characteristics

<b>Nominal thermal current</b>	Conforming to EN/IEC 60947-5-1	<b>A</b>	10
<b>Rated insulation voltage</b>			U <sub>i</sub> = 600 V, degree of pollution 3 conforming to EN/IEC 60947-1
<b>Rated impulse withstand voltage</b>			U <sub>imp</sub> = 6 kV conforming to EN/IEC 60947-1
<b>Contact</b>	Type		1 N/O slow break contact
	Material		Silver alloy (Ag/Ni)
<b>Resistance across terminals</b>		<b>mΩ</b>	≤ 25
<b>Terminal referencing</b>			Conforming to EN 50013 and EN 50050
<b>Short-circuit protection</b>	Conforming to EN/IEC 60947-5-1		10 A cartridge fuse type gG
<b>Rated operational power</b>		Conforming to EN/IEC 60947-5-1. Utilisation categories AC-15 and DC-13. Operating rate: 3600 operating cycles/hour. Load factor: 0.5	
<b>AC-15: A600</b>			
<b>U<sub>e</sub> (V)</b>	600	240	120
<b>I<sub>e</sub> (A)</b>	1.2	3	6
<b>DC-13: Q600</b>			
<b>U<sub>e</sub> (V)</b>	600	250	125
<b>I<sub>e</sub> (A)</b>	0.1	0.27	0.55
<b>d.c. supply ---</b>			
Power broken in W for 1 million operating cycles			
<b>Voltage (V)</b>	24	48	120
<b>mm (W)</b>	65	48	40
<b>Connection</b>			Screw clamp terminals, cross head screws slotted for 4 and 5.5 mm screwdrivers Maximum clamping capacity: 1 x 2.5 mm <sup>2</sup> or 2 x 1.5 mm <sup>2</sup> with or without cable end Tightening torque: 0.8 Nm

### References

#### Control stations with 1 N/O contact per function



XAP S11111N



XAP S21111



XAP S21331



XAP S24431



XAP SZ12

Description	Key withdrawal	Marking	Mounting	Reference	Weight kg
2 position, stay put	Left-hand position	O	Surface	XAP S11111N (1)	0.830
			Flush	XAP S14111N (1)	0.890
2 position, spring return from right to left	Left-hand position		Surface	XAP S11221N (1)	0.830
			Flush	XAP S14221N (1)	0.890
2 position, stay put + 2 spring return buttons	Left-hand position	O	Surface	XAP S21111	1.080
			Flush	XAP S24111	1.190
3 position, stay put	Centre position	↑ O ↓	Surface	XAP S11331N (1)	0.850
			Flush	XAP S14331N (1)	0.910
3 position, spring return from left and right to centre	Centre position	↑ O ↓	Surface	XAP S11431N (1)	0.850
			Flush	XAP S14431N (1)	0.910
3 position, stay put + 1 spring return button	Centre position	← Stop O →	Surface	XAP S21331	1.070
			Flush	XAP S24331	1.180
3 position, spring return from left and right to centre + 1 spring return button	Centre position	← Stop O →	Surface	XAP S21431	1.070
			Flush	XAP S24431	1.180

#### 100 x 100 front plates (for XAP S11●●●N control stations)

Description	Marking	Reference	Weight kg
2 position, stay put	O	XAP SZ11	0.045
2 position	→	XAP SZ12	0.045
3 position	↑ O ↓	XAP SZ13	0.045

#### Separate components and spare parts

Description	Type of contact	For use with control stations	Sold in lots of	Unit reference	Weight kg
Standard contact blocks	N/O	XAP S1●●●●N	5	ZEN L1111	0.015
		XAP S2●●●●	5	ZB2 BE101	0.015

#### Accessories (for control stations XAP S11●●●N and XAP S14●●●N)

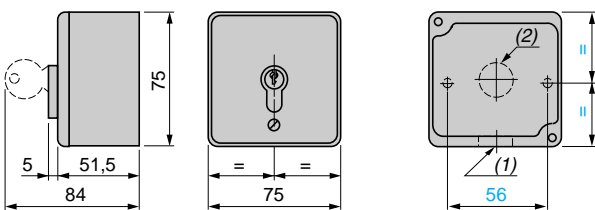
Description	Key number	Reference		Weight (kg)	
		Key only	2 keys + barrel (2)	Key only	2 keys + barrel
Keys	Number to be stated	XAP SZ50	XAP SZ15	0.011	0.140
	BC1011	XAP SZ01	XAP SZ16	0.011	0.140
	BC1025	XAP SZ02	XAP SZ17	0.011	0.140
	BC1029	XAP SZ03	XAP SZ18	0.011	0.140
	BC1031	XAP SZ04	XAP SZ19	0.011	0.140
	BC1069	XAP SZ05	XAP SZ20	0.011	0.140

(1) For a control station with a specific key number, add the letter Z to the end of the reference and state the key number when ordering. Example: XAP S11111N becomes XAP S11111NZ

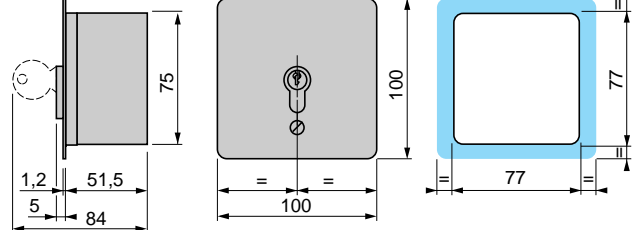
(2) For keys and barrels with other numbers, please consult your customer care centre.

### Dimensions, mounting

XAP S11●●●N

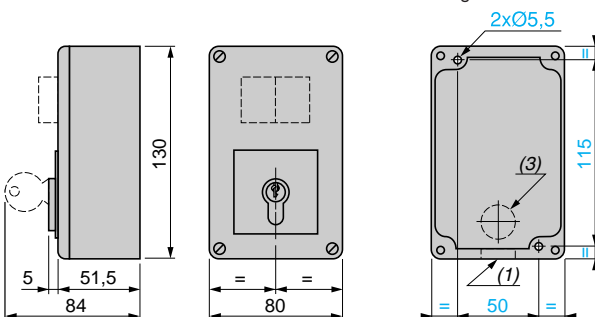


XAP S14●●●N



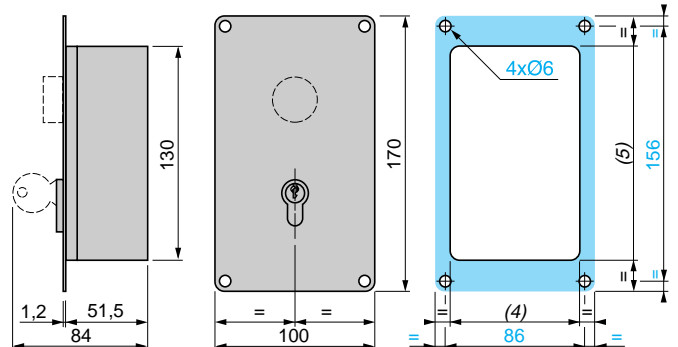
XAP S21●●●

Fixing



XAP S24●●●

Panel cut-out



(1) 1 tapped entry for 12 mm maximum capacity cable gland.

(2) Knock-out: cable entry through rear, Ø 17 mm.

(3) Optional: cable entry through rear.

(4) 81 mm min.

(5) 131 mm min.