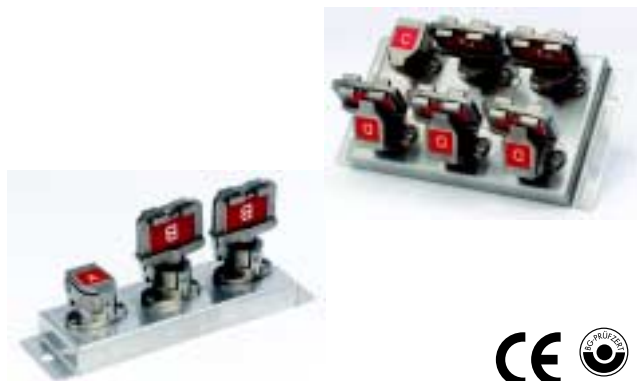


# Prosafe Trapped Key Interlock Switches Exchange Units



## Description

The key exchange unit (KEX) is used in an interlocking sequence to link together other devices in the Prosafe range and caters to more complex operating sequences.

The operating principle is such that no secondary keys can be removed from the unit until all primary keys have been inserted, rotated, and trapped. The primary keys remain trapped until all secondary keys have been re-inserted, rotated, and trapped.

It is typically used in applications where there is more than one access way to the hazardous area, and each access way must be open at the same time. The key exchange unit accomplishes this by allowing one or more keys to be inserted which then releases multiple keys out.

A typical process may require a rotary key switch to turn a motor off. The key from the rotary switch is removed and inserted into a KEX. The KEX then releases three keys which would allow simultaneous access to the hazard area through three different gates. This KEX is described as 1 key in 3 keys out. The keys in are considered primary codes, so the keys are not included in the KEX. The keys out are considered secondary codes, so the keys are included.

## Features

- A range of off-the-shelf units in various combinations
- 316L Stainless steel construction
- Primary key(s) in release secondary keys simultaneously on units up to 6 way
- Weatherproof stainless steel dust cap as standard
- Replaceable code barrel assembly

## The Prosafe Advantage



Stainless steel construction.

## Specifications

Standards	EN292-1&2, EN1088, ISO12100-1&2, ISO14119, AS4024.1
Category	Cat. 1 per EN 954-1 (ISO 13849-1) Suitable for Cat. 2, 3, or 4 systems
Approvals	BG, CE marked for all applicable directives and C-Tick not required
Operating Temperature	-40°C to +200°C (-40°F to +392°F)
Mechanical Operations	100,000
Max. Shear Force to Key	15.1kN (3398lbs)
Max. Torque to Key	14Nm (124lb•in)
Humidity	95% RH
Material	316L Stainless steel

## Accessories

### Optional Key Exchange Cabinets

No. of Keys	L	W	D	Catalogue Number
	mm (inches)			
<b>Painted Mild Steel</b>				
11 way (max)	400 (15.7)	300 (11.8)	200 (7.87)	440T-AIPB30
15 way (max)	400 (15.7)	400 (15.7)	210 (8.26)	440T-AIPB33
25 way (max)	600 (23.6)	600 (23.6)	210 (8.26)	440T-AIPB34
40 way (max)	800 (31.4)	800 (31.4)	210 (8.26)	440T-AIPB35
<b>Stainless Steel</b>				
15 way (max)	400 (15.7)	400 (15.7)	210 (8.26)	440T-AIPB40
25 way (max)	600 (23.6)	600 (23.6)	210 (8.26)	440T-AIPB44
40 way (max)	800 (31.4)	800 (31.4)	210 (8.26)	440T-AIPB45

Product Selection

Key Exchange Units		
Number of Keys	Keys in and out	Catalogue Number
2 way	1 key in 1 key out	440T-MKEXE10♦
3 way	1 key in 2 keys out	440T-MKEXE11♦
4 way	1 key in 3 keys out	440T-MKEXE12♦
5 way	1 key in 4 keys out	440T-MKEXE13♦
6 way	1 key in 5 keys out	440T-MKEXE14♦
4 way	2 key in 2 keys out	440T-MKEXE15♦
5 way	2 key in 3 keys out	440T-MKEXE16♦
6 way	2 key in 4 keys out	440T-MKEXE17♦
6 way	3 key in 3 keys out	440T-MKEXE18♦
7 way	1 key in 6 keys out	440T-MKEXE19♦
8 way	1 key in 7 keys out	440T-MKEXE20♦
9 way	1 key in 8 keys out	440T-MKEXE22♦
10 way	1 key in 9 keys out	440T-MKEXE23♦
11 way	1 key in 10 keys out	440T-MKEXE24♦
12 way	1 key in 11 keys out	440T-MKEXE25♦
13 way	1 key in 12 keys out	440T-MKEXE26♦
14 way	1 key in 13 keys out	440T-MKEXE27♦
15 way	1 key in 14 keys out	440T-MKEXE28♦
16 way	1 key in 15 keys out	440T-MKEXE29♦
17 way	1 key in 16 keys out	440T-MKEXE30♦
18 way	1 key in 17 keys out	440T-MKEXE33♦
19 way	1 key in 18 keys out	440T-MKEXE34♦
20 way	1 key in 19 keys out	440T-MKEXE35♦
21 way	1 key in 20 keys out	440T-MKEXE36♦
22 way	1 key in 21 keys out	440T-MKEXE37♦
23 way	1 key in 22 keys out	440T-MKEXE38♦
24 way	1 key in 23 keys out	440T-MKEXE39♦

♦ Specify the codes individually for each primary key in (key not included) and each secondary key out (key included). See page 5-6 for code selection.  
Consult factory for other configurations of keys in and keys out.

Accessories

Description	Page Number	Catalogue Number
Replacement Key	5-33	440T-AKEYE10⊗
Replacement Code Barrel		440T-ASCBE14❶
Replacement Dust Cap		440T-ASFC10⊗

❶ Substitute the desired primary code for this symbol (key not included). See page 5-6 for code selection.  
⊗ Substitute the desired code for this symbol. See page 5-6 for code selection.

Approximate Dimensions—mm (inches)

