

Exchange Units

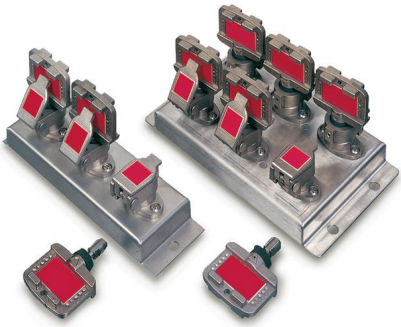
Description

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 six ways
- Weatherproof stainless steel dust cap as standard
- Replaceable code barrel assembly

The Prosafe Advantage



Stainless steel construction.

Specifications

Safety Ratings

Standards	EN1088, ISO12100-1&2, ISO14119, AS4024.1
Category	Cat. 3 per EN 954-1 (ISO 13849-1) cULus and TÜV
Certifications	CE Marked for all applicable directives and BG; C-Tick not required

Operating Characteristics

Operating Temperature [C (F)]	-40...+200 ° (-40...+392 °)
Mechanical Life	100,000 operations

Environmental & Physical Characteristics

Shear Force to Key	15.1 k•N (3398 lbs), max.
Torque to Key	14 N•m (124 lb•in), max.
Relative Humidity	95%
Material	316L stainless steel

Optional Key Exchange Cabinets

Number of Keys	Length [mm (in.)]	Width [mm (in.)]	Depth [mm (in.)]	Cat. No.
Painted Mild Steel				
7...11 way (max)	400 (15.7)	300 (11.8)	200 (7.87)	440T-AIPB30
12...15 way (max)	400 (15.7)	400 (15.7)	210 (8.26)	440T-AIPB33
16...25 way (max)	600 (23.6)	600 (23.6)	210 (8.26)	440T-AIPB34
Stainless Steel				
12...15 way (max)	400 (15.7)	400 (15.7)	210 (8.26)	440T-AIPB40
16...25 way (max)	600 (23.6)	600 (23.6)	210 (8.26)	440T-AIPB44

Product Selection

Key Exchange Units		
Number of Keys	Keys In and Out	Cat. No.
2 way	1 key in 1 key out	440T-MKEXE10S
3 way	1 key in 2 keys out	440T-MKEXE11S
4 way	1 key in 3 keys out	440T-MKEXE12S
5 way	1 key in 4 keys out	440T-MKEXE13S
6 way	1 key in 5 keys out	440T-MKEXE14S
4 way	2 key in 2 keys out	440T-MKEXE15S
5 way	2 key in 3 keys out	440T-MKEXE16S
6 way	2 key in 4 keys out	440T-MKEXE17S
6 way	3 key in 3 keys out	440T-MKEXE18S
7 way	1 key in 6 keys out	440T-MKEXE19S
8 way	1 key in 7 keys out	440T-MKEXE20S
9 way	1 key in 8 keys out	440T-MKEXE22S
10 way	1 key in 9 keys out	440T-MKEXE23S
11 way	1 key in 10 keys out	440T-MKEXE24S
12 way	1 key in 11 keys out	440T-MKEXE25S
13 way	1 key in 12 keys out	440T-MKEXE26S
14 way	1 key in 13 keys out	440T-MKEXE27S
15 way	1 key in 14 keys out	440T-MKEXE28S
16 way	1 key in 15 keys out	440T-MKEXE29S
17 way	1 key in 16 keys out	440T-MKEXE30S
18 way	1 key in 17 keys out	440T-MKEXE33S
19 way	1 key in 18 keys out	440T-MKEXE34S
20 way	1 key in 19 keys out	440T-MKEXE35S
21 way	1 key in 20 keys out	440T-MKEXE36S
22 way	1 key in 21 keys out	440T-MKEXE37S
23 way	1 key in 22 keys out	440T-MKEXE38S
24 way	1 key in 23 keys out	440T-MKEXE39S
25 way	1 key in 24 keys out	440T-MKEXE40S

§ Specify the codes individually for each primary key in (key not included) and for each secondary key (key included). See **Key Coding** for code selection.

Consult factory for other configurations of keys in and keys out.

Accessories

Description	Additional Information	Cat. No.
Stainless steel key	Accessories	440T-AKEYE10*
Stainless steel replacement code barrel with dust cap		440T-ASCBE14*
Stainless steel weatherproof replacement dust cap		440T-ASFCE10*
Optional Key Exchange Cabinet	Mild steel cabinet for 7-...11-way units	440T-AIPB30
	Mild steel cabinet for 12-...15-way units	440T-AIPB33
	Mild steel cabinet for 16-...25-way units	440T-AIPB34
	Stainless steel cabinet for 12-...15-way units	440T-AIPB40
	Stainless steel cabinet for 16-...25-way units	440T-AIPB44

* Substitute the desired primary code for this symbol (key not included). See **Key Coding** for code selection.

Approximate Dimensions

Dimensions are shown in mm (in.). Dimensions are not intended to be used for installation purposes.

