Safedge™ Profiles

Description

The ability of the Safedge profile to out perform competition lies in its innovative design. It uses a combination of non-conductive rubber and flexible wire-cored conductive rubber bonded together so it keeps bouncing back into shape even after repeated compressions.

The Safedge profiles come in three different cushions factors: 5 mm (0.2 in.), 19 mm (0.75 in.), and 41 mm (1.6 in.). Cushion factor is the distance the profile can be depressed after a signal has been generated. The profiles are also offered with a sealing lip which is designed to reduce drafts between the profile and opposing surface.

The profiles come in two different materials. Use the EPDM material in the presence of conductive fluids. The NBR/CR material performs better in the presence of oils. Review the chemical resistance chart to help make the best choice of material. If in doubt, a small sample of the profile should be tested for chemical resistance before a final selection is made.

The Safedge profile has no rigid internal parts which can "break through" or cause fatigue failures after prolonged use. The multi-stranded copper wire core throughout the length of the strip reduces the risk of resistance build up on long lengths.

Features

- Various profiles
- Conductive rubber technology
- Up to 50 m lengths
- Aluminum, plastic or zinc-coated steel mounting rails
- Rubber boot optional
- · Active corners
- · Sealing lip available

Specifications

| Standards | EN1760-2, EN 954-1, ISO13849-1, IEC/EN60204-1, ANSI B11.19, AS 4024.5 |
|-------------------------------|--|
| Certifications | CE Marked for all applicable directives and TÜV. C-Tick not required. |
| Power Supply | Operates on 4V DC supplied from control unit. |
| Operating Temperature [C (F)] | EPDM material: -555° (23131°) NBR/CR material: 055° (32131°) |
| Relative Humidity | 90% |
| Enclosure Type Rating | IP65 (NEMA 6P) |
| Wire Size | 18 AWG |
| Material | EPDM: Ethylene Propylene Diene Modified Rubber NBR/CR: Acrylonitrile (34% nitrile) Butadiene Rubber/Chloropriene Rubber |
| Bend Radius, Min. | 500 mm (19.6 in.) |

Chemical Resistance of Safedge Profile



| Substance | Resistance—"S" Profile EPDM | Resistance—"N" Profile NBR/CR |
|--------------------------|-----------------------------|-------------------------------|
| Acetic Acid (10%) | Good | Good |
| Acetone | Good | Fair |
| Ammonium Hydroxide (35%) | Good | Good |
| Benzene | Poor | Poor |
| Diesel Oil | Poor | Good |
| Ethyl Alcohol (Ethanol) | Good | Good |
| Hydrochloric Acid (10%) | Good | Good |
| Lubricating Oil | Poor | Good |
| Nitric Acid (10%) | Good | Fair |
| Petrol (Gasoline) | Poor | Fair |
| Silicone Fluids | Good | Good |
| Sodium Chloride (25%) | Good | Good |
| Trichlorethylene | Good | Poor |
| Vegetable Oils (general) | Good | Good |
| Water (distilled) | Good | Good |
| Water (sea) | Good | Good |
| Latex Paint | Good | Good |
| Oil Base Paint | Good (easy to clean) | |

Product Selection—Profiles

| Code (See Factory Assembled Product Selection) | Approx. Dimensions [mm (in.)] | Safedge Profile | Description | Cushion Factor | Length [m (ft)] | Cat. No. |
|--|-------------------------------------|--------------------|--|-------------------|-----------------|---------------|
| A | 4.2 <u> </u> 28.5 (1.12) | 0110S | Black, EPDM, Weight: 463 g/m (0.33 lbs/ft) | 5 mm (0.20 in.) | 5 (16.4) | 440F-E0110S05 |
| | 24.5 (0.96) 3.2 (0.13) | | | | 10 (32.8) | 440F-E0110S10 |
| | (6.10) | | | | 20 (65.6) | 440F-E0110S20 |
| С | 4.2 28.5 (1.12) (0.17) | 0110N | Black, NBR/CR, Weight: 460 g/m (0.31 lbs/ft) | 5 mm (0.20 in.) | 5 (16.4) | 440F-E0110N05 |
| | 24.5 (0.96) 3.2 (0.13) | | | | 10 (32.8) | 440F-E0110N10 |
| | | | | | 20 (65.6) | 440F-E0110N20 |
| В | 4.2 28.5 (1.12) (0.17) | 0110R | Red, EPDM, Weight: 502 g/m (0.34 lbs/ft) | 5 mm (0.20 in.) | 5 (16.4) | 440F-E0110R05 |
| | 24.5 (0.96) 3.2 (0.13) | | | | 10 (32.8) | 440F-E0110R10 |
| | | | | | 20 (65.6) | 440F-E0110R20 |
| E | 28.5 (1.12) | 1610S | Black, EPDM, Weight: 843 g/m (0.57 lbs/ft) | 19 mm (0.75 in.) | 5 (16.4) | 440F-E1610S05 |
| | | | | | 10 (32.8) | 440F-E1610S10 |
| | (0.55) (0.55) | | | | 20 (65.6) | 440F-E1610S20 |
| F | 28.5 (1.12) | 1610N | Black, NBR/CR, Weight: 837 g/m (0.56 lbs/ft) | 19 mm (0.75 | 5 (16.4) | 440F-E1610N05 |
| | | | | in.) | 10 (32.8) | 440F-E1610N10 |
| | (0.55) (0.55) | | | | 20 (65.6) | 440F-E1610N20 |
| Н | 30 (1.18) | 0310S | Black, EPDM, Weight: 1209 g/m (0.81 lbs/ft) | 41 mm (1.61 in.) | 5 (16.4) | 440F-E0310S05 |
| | | | | 111.) | 10 (32.8) | 440F-E0310S10 |
| | 68 (2.68) | | | | 20 (65.6) | 440F-E0310S20 |
| D, J | 28.5 (1.12) | 0510S | Black, EPDM, with Sealing Lip, Weight: 545 g/m (0.37 lbs/ft) | 5 mm (0.20 in.) | 5 (16.4) | 440F-E0510S05 |
| | 24.5 | | (0.37 lb5/11) | | 10 (32.8) | 440F-E0510S10 |
| | (0.96) + 28-30 (1.10-1.18) | | | | 20 (65.6) | 440F-E0510S20 |
| G, K | 25 (0.98) | 0804S | Black, EPDM, with Sealing Lip, Weight: 1013 g/m | 19 mm (0.75 | 5 (16.4) | 440F-E0804S05 |
| | | | (0.68 lbs/ft) | in.) | 10 (32.8) | 440F-E0804S10 |
| | (0.55) 17 (0.67) | | | | 20 (65.6) | 440F-E0804S20 |

Note: Maximum roll size before axial connector needed is 20 m (65.6 ft).

| Code (See Factory Assembled Product Selection) | Approx. Dimensions [mm (in.)] | Safedge Profile | Description | Cushion Factor | Length [m (ft)] | Cat. No. |
|--|---|--------------------|---|--------------------|-----------------|---------------|
| I, L | 30 (1.18) | 0210S | Black, EPDM, with Sealing Lip, Weight: 1291 g/m (0.87 lbs/ft) | 41 mm (1.61 in.) | 5 (16.4) | 440F-E0210S05 |
| | | | (0.07 10371) | , | 10 (32.8) | 440F-E0210S10 |
| | 88 (2.88) 29 (1.14) | | | | 20 (65.6) | 440F-E0210S20 |
| M | ⊕ | 0118S | Black, EPDM, Weight: 242 g/m (0.163 lbs/ft) (mini profile) | 3.75 mm (0.15 in.) | 5 (16.4) | 440F-E0118S05 |
| | (0.68) | | profile) | 111.) | 10 (32.8) | 440F-E0118S10 |
| | 18 (0.71) | | | | 20 (65.6) | 440F-E0118S20 |
| N, O | 50 (1.97) | 11115 | Black, EPDM, Weight: 680 g/m (0.457 lbs/ft) | NA | 5 (16.4) | 440F-E1111S05 |
| | (4) (4) (4) (4) (4) (4) (4) (4) (4) (4) | | | | 10 (32.8) | 440F-E1111S10 |
| | 67 (2.64) | | | | 20 (65.6) | 440F-E1111S20 |

Product Selection—C-Rails

| Code | Approx. Dimension [mm (in.)] | Description | Cat. No. |
|------|------------------------------|---|--------------|
| A | (0.39) | Aluminium type, Type C112/A. Suitable for all profiles. Length: 3 m (9.8 ft) Weight: 258 g/m (0.17 lbs/ft) | 440F-R1212 |
| В | (0.39) 25 (0.98) | Zinc-Coated Steel; Type C112/S. Suitable for all profiles. Length: 2 m (6.5 ft) Weight: 663 g/m (0.45 lbs/ft) | 440F-R1112 |
| С | (0.39) 25 (0.98) | PVC Black; Type C112/PB. Suitable for all profiles. Length: 3 m (9.8 ft) Weight: 111 g/m (0.07 lbs/ft) | 440F-R1212PB |
| D | (0.39) 25 (0.98) | PVC Red; Type C112/PR. Suitable for all profiles. Length: 3 m (9.8 ft) Weight: 111 g/m (0.07 lbs/ft) | 440F-R1212PR |
| E | (0.39) 25 (0.98) | PVC Yellow; Type C112/PY. Suitable for all profiles. Length: 3 m (9.8 ft) Weight: 111 g/m (0.07 lbs/ft) | 440F-R1212PY |
| F | (0.39) 25 (0.98) | Aluminium Vertical Lip; Type C112/A2. Suitable for all profiles. Length: 2 m (6.5 ft) Weight: 368 g/m (0.25 lbs/ft) | 440F-R1214 |
| G | (0.39) 25 (0.98) 25 (0.98) | Aluminium Horizontal Lip; Type C112/A3. Suitable for all profiles. Length: 2 m (6.5 ft) Weight: 388 g/m (0.26 lbs/ft) | 440F-R1215 |
| Н | 18 (0.71) | Aluminium Deep Channel; Type C112/A4. Suitable for all profiles. Length: 2 m (6.5 ft) Weight: 345 g/m (0.23 lbs/ft) | 440F-R1216 |
| I | 8.5 (0.33) | Aluminium; Suitable for Mini Profile Only. Length: 2 m (6.5 ft) Weight: 150 g/m (0.10 lbs/ft) | 440F-R1219 |

| Code | Approx. Dimension [mm (in.)] | Description | Cat. No. |
|------|--|--|------------|
| J | 13 1 45 (1.77) — (0.51) TTTTTT | Aluminium; Suitable for Rubber Boot Only. Length: 2 m (6.5 ft) Weight: 667 g/m (0.448 lbs/ft) | 440F-R2151 |
| NA | ## ## ## ## ## ## ## ## ## ## ## ## ## | Aluminium End Plate for C-Rail Option J; 2 Plates; 4 Screws, flat head Philips, 10mm, #6 Weight: 7g (0.01 lbs) | 440F-R2152 |

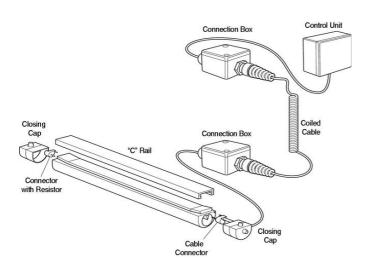
Product Selection—Component Parts

| Description | | Product Selection Criteria | Cat. No. |
|-------------|---|---|-----------------|
| | Connector and Cable (diameter = 5 mm (0.20 in.) | 1 m (3.2 ft) | 440F-A1301 |
| | | 2 m (6.56 ft) | 440F-A1302 |
| | | 5 m (16.4 ft) | 440F-A1305 |
| | | 10 m (32.8 ft) | 440F-A1306 |
| | | 15 m (49.2 ft) | 440F-A1307 |
| | Terminator | 6 kΩ (yellow) resistor for series termination | 440F-A1308 |
| | | 15 k Ω (blue) for parallel termination | 440F-A1309 |
| | Closing Cap for profile codes (A, B, C, D, J) | Closing Cap material: EPDM | 440F-A1302S |
| | | Closing Cap material: NRB | 440F-A1302N |
| | Closing Cap for profile codes (E, F, G, H, K) | Used to close profiles 440F-E0310S and 440F-E1610S. | 440F-A1303S |
| | | Used to close profile 440F-E1610N. | 440F-A1303N |
| | Axial Connector | With this connector you can directly connect two profiles. Suitable for 440F-E0110S profiles. | 440F-A0061S |
| | | With this connector you can directly connect two profiles. Suitable for 440F-E0110R profiles. | 440F-A0061N |
| | Straight Pin Connector | Kit contains one pair of pins suitable for one joint. | 440F-A0004 |
| | 90° Corner Connector | For use with profile 440F-E0110S | 440F-A0071S |
| | | For use with profile 440F-E0110R | 440F-A007IS |
| | | For use with profile 440F-E0110N | 440F-A007IN |
| | | For use with profile 440F-E0310S | 440F-A0073S |
| | | For use with profile 440F-E1610S | 440F-A0074S |
| | | For use with profile 440F-E1610N | 440F-A0074N |
| | 90° Corner Connector (vertical) | For use with profile 440F-E0110N | 440F-A0072N |
| | | For use with profile 440F-E0110S or 440F-E0110R | 440F-A0072S |
| | | For use with profile 440F-E1610N | 440F-A0075N |
| | | For use with profile 440F-E1610S | 440F-A0075S |
| | | For use with profile 440F-E0310S | 440F-A0076S |
| | 45° Corner Connector | For use with profile 440F-E0110N | 440F-A0071N45 * |

 $[\]star$ Includes two rubber strips (440F-A0005) when using profile 440F-E0110N.

| Description | | Product Selection Criteria | Cat. No. |
|--|--------------------------|---|------------------|
| | 60° Corner Connector | When using profile 440F-E0110N | 440F-A0071N60 * |
| | 30° Corner Connector | When using profile 440F-E0110N | 440F-A24007130 * |
| | Connector and Cable | Use only on Mini Profile—1 m (3.3 ft) | 440F-A1181 |
| | Cable | Use only on Mini Profile—3 m (9.8 ft) | 440F-A1183 |
| | | Use only on Mini Profile—5 m (16 ft) | 440F-A1185 |
| | Terminator | Use only on Mini Profile—8 $k\Omega$ (yellow) resistor for series termination | 440F-A1186 |
| | Closing Cap | Use only on Mini Profile—Closing Cap material: EPDM | 440F-A1318 |
| | Cyanocrylate Adhesive | Use Loctite 401 for dry applications. Use Loctite 380E for wet applications. | NA |
| | Shears | Use to cut profiles. | 440F-A3084 |
| | Connection Box | Polycarbonate housing 53 x 53 x 35 mm (2.09 x 2.09 x 1.38 in.) complete with two pole terminal and trumpet type screw on connector with strain and relief clamp. For use with coiled cable. | 440F-A0116 |
| <u>—————————————————————————————————————</u> | Connection | 2.5 m (8.2 ft) (extended) of flexible coiled cable. Shelf length is 889 mm (35 in.) long. OD of coil is 22 mm (0.86 in.) and OD of cable is 5 mm (0.20 in.). | 440F-A2450 |
| | Cable | 3.5 m (11.5 ft) (extended) of flexible coiled cable. Shelf length is 1270 mm (50 in.) long. OD of coil is 22 mm (0.86 in.) and OD of cable is 5 mm (0.20 in.). | 440F-A2700 |
| | Two rubber strips | When using profile 440F-E0110N shelf length is 175 x 10 x 0.7 mm (6.89 x 0.39 x 0.03 in.). | 440F-A0005 |

* Includes two rubber strips (440F-A0005) when using profile 440F-E0110N.



Example application of profile using coiled cable. The coiled cable can not be directly connected to the profile due to the weight of the cable. The proper use of the coiled cable is to connect the coiled cable to the profile through the connection box. The coiled cable should be secured to both the moving and stationary objects so as to prevent straining of the terminal connections.

Factory Assembled Product Selection (standard profile)

440F - **E**★ C A M V 01270 a b c d e

| a | | | |
|--------|--------------------------------------|--|--|
| Profil | Profile | | |
| Code | Description | | |
| А | 0110S | | |
| В | 0110R | | |
| С | 0110N | | |
| D | 0510S with Sealing Lip on Right Side | | |
| Е | 1610S | | |
| F | 1610N | | |
| G | 0804S with Sealing Lip on Right Side | | |
| Н | 0310S | | |
| 1 | 0210S with Sealing Lip on Right Side | | |
| J | 0510S with Sealing Lip on Left Side | | |
| K | 0804S with Sealing Lip on Left Side | | |
| L | 0210S with Sealing Lip on Left Side | | |
| N | Rubber Boot over 0110S | | |
| 0 | Rubber Boot over 1610S | | |
| Р | No Profile | | |

| b | |
|--------|--|
| C-Rail | l |
| Code | Description |
| А | 1212 aluminium for profile codes A-L |
| В | 1112 zinc coated steel for profile codes A-L |
| С | 1212PB PVC black for profile codes A-L |
| D | 1212PR PVC red for profile codes A-L |
| Е | 1212PY PVC yellow for profile codes A-L |
| F | 1214 aluminium with vertical lip for profile codes A-L |
| G | 1215 aluminium with horizontal lip for profile codes A-L |
| Н | 1216 aluminium deep rail for profile codes A-L |
| J | 2151 aluminium for profile codes N and O |
| N | No C-Rail (not needed) |

| Cable Entrance Code Description A LHT left entrance with 1 m cable B LHT left entrance with 2 m cable C LHT left entrance with 3 m cable D LHT left entrance with 5 m cable E LHT left entrance with 10 m cable F RHT right entrance with 1 m cable G RHT right entrance with 3 m cable I RHT right entrance with 3 m cable I RHT right entrance with 5 m cable SET straight entrance with 10 m cable K SET straight entrance with 10 m cable N SET straight entrance with 3 m cable O SET straight entrance with 5 m cable UNDER entrance with 1 m cable UNDER entrance with 1 m cable UNDER entrance with 1 m cable | С | | |
|---|----------------|---------------------------------------|--|
| A LHT left entrance with 1 m cable B LHT left entrance with 2 m cable C LHT left entrance with 3 m cable D LHT left entrance with 5 m cable E LHT left entrance with 10 m cable F RHT right entrance with 1 m cable G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 5 m cable K SET straight entrance with 1 m cable K SET straight entrance with 1 m cable L SET straight entrance with 3 m cable N SET straight entrance with 3 m cable N SET straight entrance with 5 m cable UNDER entrance with 10 m cable UNDER entrance with 1 m cable UNDER entrance with 1 m cable | Cable Entrance | | |
| B LHT left entrance with 2 m cable C LHT left entrance with 3 m cable D LHT left entrance with 5 m cable E LHT left entrance with 10 m cable F RHT right entrance with 1 m cable G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable N SET straight entrance with 3 m cable N SET straight entrance with 3 m cable N SET straight entrance with 5 m cable UNDER entrance with 10 m cable UNDER entrance with 1 m cable UNDER entrance with 2 m cable | Code | Description | |
| C LHT left entrance with 3 m cable D LHT left entrance with 5 m cable E LHT left entrance with 10 m cable F RHT right entrance with 1 m cable G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 3 m cable O SET straight entrance with 10 m cable UNDER entrance with 1 m cable UNDER entrance with 1 m cable | Α | LHT left entrance with 1 m cable | |
| D LHT left entrance with 5 m cable E LHT left entrance with 10 m cable F RHT right entrance with 1 m cable G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | В | LHT left entrance with 2 m cable | |
| E LHT left entrance with 10 m cable F RHT right entrance with 1 m cable G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable UNDER entrance with 2 m cable | С | LHT left entrance with 3 m cable | |
| F RHT right entrance with 1 m cable G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable UNDER entrance with 2 m cable | D | LHT left entrance with 5 m cable | |
| G RHT right entrance with 2 m cable H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable O UNDER entrance with 2 m cable | Е | LHT left entrance with 10 m cable | |
| H RHT right entrance with 3 m cable I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | F | RHT right entrance with 1 m cable | |
| I RHT right entrance with 5 m cable J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | G | RHT right entrance with 2 m cable | |
| J RHT right entrance with 10 m cable K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | Н | RHT right entrance with 3 m cable | |
| K SET straight entrance with 1 m cable L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | 1 | RHT right entrance with 5 m cable | |
| L SET straight entrance with 2 m cable M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | J | RHT right entrance with 10 m cable | |
| M SET straight entrance with 3 m cable N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable O UNDER entrance with 2 m cable | K | SET straight entrance with 1 m cable | |
| N SET straight entrance with 5 m cable O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | L | SET straight entrance with 2 m cable | |
| O SET straight entrance with 10 m cable P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | М | SET straight entrance with 3 m cable | |
| P UNDER entrance with 1 m cable Q UNDER entrance with 2 m cable | N | SET straight entrance with 5 m cable | |
| Q UNDER entrance with 2 m cable | 0 | SET straight entrance with 10 m cable | |
| | Р | UNDER entrance with 1 m cable | |
| R UNDER entrance with 3 m cable | Q | UNDER entrance with 2 m cable | |
| | R | UNDER entrance with 3 m cable | |
| S UNDER entrance with 5 m cable | S | UNDER entrance with 5 m cable | |
| T UNDER entrance with 10 m cable | Т | UNDER entrance with 10 m cable | |
| U No entrance components | U | No entrance components | |

| d | | | |
|------|-----------------------------------|--|--|
| Term | Termination | | |
| Code | Description | | |
| А | LHT left exit with 1 m cable | | |
| В | LHT left exit with 2 m cable | | |
| С | LHT left exit with 3 m cable | | |
| D | LHT left exit with 5 m cable | | |
| Е | LHT left exit with 10 m cable | | |
| F | RHT right exit with 1 m cable | | |
| G | RHT right exit with 2 m cable | | |
| Н | RHT right exit with 3 m cable | | |
| 1 | RHT right exit with 5 m cable | | |
| J | RHT right exit with 10 m cable | | |
| K | SET straight exit with 1 m cable | | |
| L | SET straight exit with 2 m cable | | |
| М | SET straight exit with 3 m cable | | |
| N | SET straight exit with 5 m cable | | |
| 0 | SET straight exit with 10 m cable | | |
| Р | UNDER exit with 1 m cable | | |
| Q | UNDER exit with 2 m cable | | |
| R | UNDER exit with 3 m cable | | |
| S | UNDER exit with 5 m cable | | |
| Т | UNDER exit with 10 m cable | | |
| U | Parallel Termination—15 $k\Omega$ | | |
| V | Series Termination—6 $k\Omega$ | | |
| W | No exit components | | |
| | | | |

| | е | |
|--|----------------|---|
| | Length of Ed | ge |
| | Code | Description |
| | 5 digit number | Enter length of edge in mm; for example: 50 m = 50000, 500 mm = 00500; 300 mm minimum; ± 2.5 mm tolerance |

 $\star \ \mathsf{Order} \ \mathsf{Controller} \ \mathsf{separately}. \ \mathsf{Refer} \ \mathsf{to} \ \mathsf{SafeEdge} \ \mathsf{Controllers} \ \mathsf{product} \ \mathsf{selection} \ \mathsf{on} \ \mathsf{Product} \ \mathsf{Selection} \ \mathsf{—Relays}.$

Factory Assembled Product Selection (mini-profile)



| a | | | |
|---------|---|--|--|
| Profile | | | |
| Code | Description | | |
| М | 0118S 3.75 mm (0.15 in.) Cushion Factor Black, Mini Profile | | |
| Р | No Profile | | |

| b | | | |
|--------|-------------------------------------|--|--|
| C-Rail | | | |
| Code | Description | | |
| 1 | 1219 aluminium for "Profile" code M | | |
| N | No C-Rail (not needed) | | |

| С | | | |
|----------------|---------------------------------|--|--|
| Cable Entrance | | | |
| Code | Description | | |
| K | SET straight entrance 1 m cable | | |
| M | SET straight entrance 3 m cable | | |
| N | SET straight entrance 5 m cable | | |
| Р | UNDER entrance 1 m cable | | |
| R | UNDER entrance 3 m cable | | |
| S | UNDER entrance 5 m cable | | |
| U | No entrance components | | |

| d | | | | |
|------|---------------------------------|--|--|--|
| Term | Termination | | | |
| Code | Description | | | |
| K | SET straight entrance 1 m cable | | | |
| M | SET straight entrance 3 m cable | | | |
| N | SET straight entrance 5 m cable | | | |
| Р | UNDER entrance 1 m cable | | | |
| R | UNDER entrance 3 m cable | | | |
| S | UNDER entrance 5 m cable | | | |
| V | Series Termination—8 $k\Omega$ | | | |
| W | No Termination | | | |

| е | | | |
|----------------|--|--|--|
| Length of Ed | Length of Edge | | |
| Code | Description | | |
| 5 digit number | Enter length of edge in mm; for example: 50 m = 50000, 500 mm = 00500; 300 mm minimum; ± 2.58 mm tolerance | | |

 \star Order Controller separately. Refer to SafeEdge Controllers product selection.

Factory Assembled Examples

440F-ECAKV01250 440F-EDFHV00490 Termination Type C112/A Type 1214 Aluminum Rail 6ΚΩ with Vertical Lip ninum C Rail Series Termination RHT- Right-Hand $6K\Omega$ Entrance with 3m Cable Type 0110N Oil Resistant Profile 1250 mm long D Type 0510S Profile with Sealing Lip SET Cable Entrance 490mm long with Im Cable lip to cable entrance

This is a single oil resistant profile which is 1250 mm (49.2 in.) long. The edge is terminated with a Series Termination. A 1 m (3.2 ft) cable enters straight into the closing cap. The profile is mounted on a standard aluminum C-rail.

This single profile has a sealing lip and is 490 mm (19.2 in.) long. The profile is terminated with a Series Termination. A 3 m (9.8 ft) cable enters into the right hand side of the closing cap from a plastic surface mounted controller. The profile is mounted on an aluminum rail with a vertical lip for ease of mounting. The orientation of the sealing lip to the vertical lip can be reversed by the user by sliding the profile out of the C-rail, rotating the C-rail 180° and then re-inserting the profile back into the C-rail.

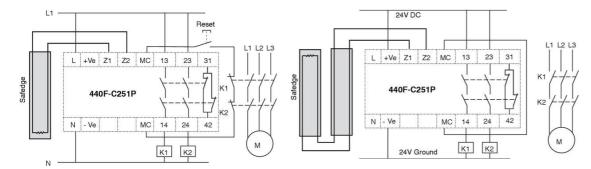
440F-ECFGD01250 440F-EBGCU03560 Type 1214 Aluminum Rail Type 1215 Aluminum Rail with Vertical Lip with Horizontal Lip G RHT - Right Hand Entrance with 2m Cable LHT Cable Exit U Parallel В Termination Type 0110N Oil Resistant Profile Type 0110R Profile 15KW 1250mm long 3560mm long C LHT - Entrance with 3m Cable

This is a single oil resistant profile which is 1250 mm (49.2 in.) long. The edge is terminated with a 1 m (3.2 ft) cable. A 1 m cable enters straight into the closing cap. The profile is mounted on an aluminum C-rail with a vertical mounting lip. A control unit is not included. This edge is intended to be used in series with another length of edge which has a terminating resistor.

This is a red-colored single profile which is 3560 mm (140.15 in.) long. This profile is part of a parallel profile system, for ease of mounting, as it is terminated with a Parallel Termination. A 3 m (9.8 ft) cable enters into the left side of the closing cap. The profile is mounted on an aluminum C-rail with a horizontal lip for ease of mounting. The horizontal lip can be reversed by the user by sliding the profile out of the C-rail, rotating the C-rail and then re-inserting the profile back into the C-rail. A separate Cat. No. must be entered for the other profile.

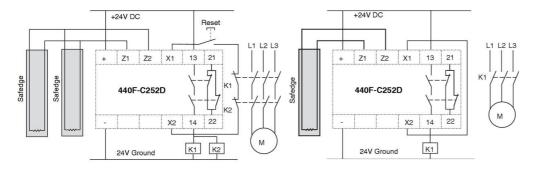
Product Selection—Relays

| Single Function Safety Relays | Safety Outputs | Auxiliary Outputs | Terminals | Reset Type | Power Supply | Cat. No. |
|-------------------------------|----------------|--------------------------|-----------|------------------|--------------------------|------------|
| | 2 N.O. | 1 N.C. | Fixed | Automatic/Manual | 24V AC/DC or 115/230V AC | 440F-C251D |
| | 1 N.O. | | Removable | | 24V AC/DC | 440F-C252D |
| CE | 2 N.O. | | Fixed | | 24V AC/DC or 115/230V AC | 440F-C251P |



Series Terminated, Safedge Input, Manual Reset, Dual Channel Output, Monitored Output

Series Terminated, Cascaded, Safedge Input, Automatic Reset, Dual Channel Output, No Output Monitored



Parallel Terminated, Safedge Input, Manual Reset, Dual Channel Output, Monitored Output

Series Terminated, Safedge Input, Automatic Reset, Single Channel Output, No Output Monitored

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