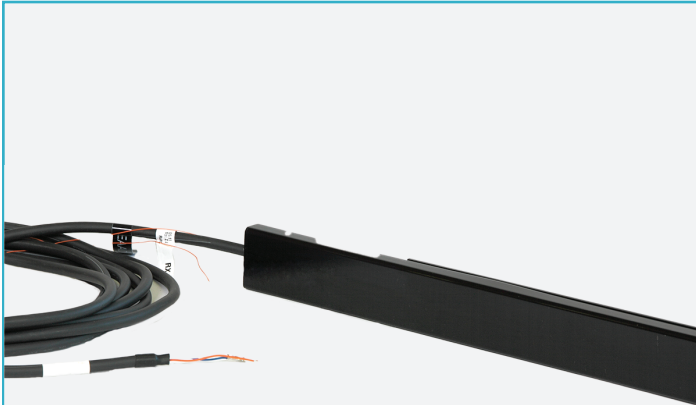


E-Series Edge

E10 36, E40 36



DESCRIPTION

The E-Series Safety Edge has a versatile range with up to 36-diode version, supporting up to 174 criss-cross beams for premium safety. The 36-diode version is able to detect a 50mm target which is compliant with EN81-20 standards. The RX has a diagnostic LED that is visible through the lens and provides an indication of a trigger or a possible system fault. In case of failure, the diagnostic output on the RX will inform the elevator controller so that the kinetic energy of the closing doors can be limited to the required level. The system has been designed to be tolerant to the infra-red content equivalent to 100k lux. This results in very high levels of light immunity and outstanding reliability. The edges are housed in a 10 or 40mm profile.

KEY FEATURES

- EN81-20 compliant
- Designed for new and existing installations
- Suitable for dynamic or static installations
- Reduced installation time: no set up required, no communication wire, no configuration needed
- Extended range of input voltages 11-42vdc to suit all applications
- Robust electronics
- Timeout software
- Diagnostic LEDs
- Auto Beam Disabling (ABD)

E-Series Edge

E10 36, E40 36

E10 36 E40 36	0.39 in Profile 1.57 in Profile
External Dimensions	0.39in x 1.32in x 1.33in (E10, E40)
No. of Diodes	36
Total No. of Beams at a separation of	174 Beams > 19.7in (E10) 36 Beams < 7.9in (E40)
Top Diode position from sill*	64in
Bottom Diode position from sill* <small>*Detectors are mounted 5mm from sill</small>	0.98in *
IP Rating	IP65 (E10), IP54 (E40)
Maximum Range	9.8ft
Max. Response Time	100ms
Light Immunity	> 100,000 lux
Input Voltage	+11vdc - +42vdc Continuous 44vdc [Max] Peak
Trigger Output	Maximum Switching Voltage=45vdc/30vac Maximum Switching Current=350 mA Maximum on State Resistance=2 Ohms NPN,PNP, NC, NO user configurable
Diagnostic Output (Optional)	Maximum Switching Voltage=45vdc/30vac Maximum Switching Current=350 mA Maximum on State Resistance=2 Ohms NPN,PNP user configurable: NC only
Current Average	<100mA
Peak Current	<100mA
Operating Temp. Range	-13°F - 140°F as per BS2011 Part 2.1AB & Part 2.2BB
Storage Temperature	-13°F to 140°F
EMC Emissions	EN12015:2014 Immunity 12016:2013
Random Vibration	20-500Hz 0.002g ² /Hz, 4 hours per axis
Sinusoidal Vibration	30Hz 3.6g RMS 30mins per axis
Humidity	93% BS60068-2-30:2005:Part2.1Db:1981, Variant2 @ 131°C
Cables	TX = 2 Cores & RX=5 Cores (7 Cores with diagnostic output), Length=2.7m