

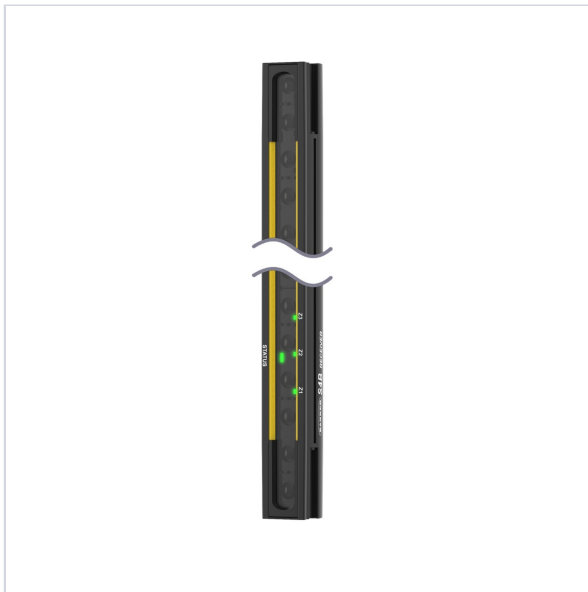
IAP SIGNAL LOWERS YOUR BARRIER TO ENTRY FOR IIOT.

SNAP SIGNAL LOWERS YOUR BARRIER



## S4BR30-1800-S

### ► S4B SERIES HEAVY-DUTY TYPE 4 SAFETY LIGHT CURTAINS



S4B Type 4 Safety Light Curtain, Receiver

Resolution: 30 mm; Range: 12 m (40 ft)

Defined Area: 1800 mm (70.9 in); Housing: Black

Connection: Removable Disconnect (RD)

Mounting Hardware and Cordset/M12 Pigtail  
Ordered Separately




Part Number: 812397

#### CERTIFICATIONS



## ACCESSORIES TO COMPLETE YOUR SYSTEM

Add all or individual items to your cart. More options available below.

|   |   |
|---|---|
|  | <p><b>S4BA-MBK-16</b></p> <p>S4B, ACCESSORY BRACKET: SIDE MOUNT<br/>INCLUDES 2 BRACKETS<br/>ROTATION: +/- 15 DEGREES<br/>GLASS-FILLED POLYCARBONATE</p> <div data-bbox="231 349 1921 537"><p><b>Cookies</b></p><p>By accepting cookies, we give you the best experience throughout our site, including access to My Account, My Library, and My Wish List.</p><p>To learn more, visit our <a href="#">privacy policy</a>.</p></div> |
|  | <p><b>DES4E-51D</b></p> <p>Cordset S4B: Custom to M12 Double-Ended<br/>Custom Female; 5-pin Straight Male Connectors<br/>0.3 m (0.98 ft) in Length<br/>Black PVC Jacket</p>   |
|  | <p><b>S4BE30-1800-S</b></p> <p>S4B Type 4 Safety Light Curtain, Emitter<br/>Resolution: 30 mm; Range: 12 m (40 ft)<br/>Defined Area: 1800 mm (70.9 in); Housing: Black<br/>Connection: Removable Disconnect (RD)<br/>Mounting Hardware and Cordset/M12 Pigtail Ordered Separately</p>   |

### SPECIFICATIONS

|                                       |       |
|---------------------------------------|-------|
| <b>IP Rating</b>                      | IP65  |
| <b>Heavy Duty</b>                     | Yes   |
| <b>Defined Area Height Range (mm)</b> | >1300 |
|                                       |       |

|                                   |                           |
|-----------------------------------|---------------------------|
| <b>Max Operating Range (m)</b>    | >8 - <=20                 |
| <b>Primary Housing Material</b>   | Aluminum                  |
| <b>Safety Level</b>               | Type 4                    |
| <b>Effective Aperture Angle</b>   | Type 4 Per IEC 61496-2    |
| <b>Connector Type</b>             | Removable Disconnect      |
| <b>Defined Area Height (mm)</b>   | 1800                      |
| <b>Dimensions WxD (mm)</b>        | 38 x 40                   |
| <b>Overall Length (mm)</b>        | 1802                      |
| <b>External Monitoring Device</b> | No                        |
| <b>Fixed Blanking</b>             | No                        |
| <b>Housing Finish</b>             | Black Anodized            |
| <b>Operating Distance (m)</b>     | 0.1 - 12                  |
| <b>Operating Voltage</b>          | 24 V dc +/- 15%           |
| <b>Operating Temperature</b>      | -20 to +55 deg. C; RH 95% |
| <b>PL Rating</b>                  | Plc                       |
| <b>Recovery Time</b>              | 90 / 172                  |
| <b>Resolution (mm)</b>            | 30                        |

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|                                    |   |
|------------------------------------|---|
| <b>Reduced Resolution</b>          | No  |
| <b>SIL Rating</b>                  | SIL3; CL3   |
| <b>Electrical Safety Class</b>     | III   |
| <b>Scan Code</b>                   | Selectable  |
| <b>Shock</b>                       | 10g at 16ms (6000 cycles)   |
| <b>Short Protection</b>            | Yes   |
| <b>System Type</b>                 | To learn more, visit our <a href="#">privacy policy</a> .<br>Receiver |
| <b>Vibration</b>                   | 10-55 Hz at 0.35 mm   |
| <b>Auxiliary Output</b>            | Yes   |
| <b>Fault Output</b>                | No  |
| <b>Housing Material</b>            | Aluminum; Zinc; Acrylic   |
| <b>Supply Current</b>              | 58 mA Typical   |
| <b>Trip/Latch Output</b>           | Trip  |
| <b>Test Input</b>                  | No  |
| <b>Feature: End-to-End Sensing</b> | Yes   |

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## COMPATIBLE PRODUCTS

## BRACKETS



### **S4BA-MBK-16**

S4B, ACCESSORY BRACKET: SIDE MOUNT  
INCLUDES 2 BRACKETS  
ROTATION: +/- 15 DEGREES  
GLASS-FILLED POLYCARBONATE

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## DOUBLE-ENDED CORDSETS

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### **DEE2R-515D**

Cordset A-Code M12 to A-Code M12 Double Ended  
5-pin Straight Female; 5-pin Straight Male Connectors  
4.57 m (14.99 ft) in Length  
Yellow PVC Jacket, Nickel-Plated Brass Nut



### **DES4E-51D**

Cordset S4B: Custom to M12 Double-Ended  
Custom Female; 5-pin Straight Male Connectors  
0.3 m (0.98 ft) in Length  
Black PVC Jacket

## SINGLE-ENDED CORDSETS



### QDE-515D

Cordset A-Code M12 Single Ended  
5-pin Straight Female Connector  
4.57 m (15 ft) in Length  
Yellow PVC Jacket, Nickel-Plated Brass Nut

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### CSB-UNT525M1251

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M12 QD Splitter Cable  
5-pin; 0.3 m Female Branches Unterminated Trunk  
7.62 m (25 ft) in Length  
5x22 GA 25 ft Trunk 1 ft Branch

## HARDWARE



### S4BA-LAT-2

LAT Clip-on target for S4B

## LASER ALIGNMENT TOOL



### LAT-1-S4B

Laser Alignment Tool; Class 2 Laser; Visible Red  
Mounting Clips included for S4B

## SPECIFIED TEST PIECE



### STP-14

STP-14 TEST PIECE 30 mm

## S15L SERIES IN-LINE SENSOR STATUS INDICATOR

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S15L Series: 2-Color In-Line Sensor Status Indicator  
Voltage: 10-30 V dc; Housing: Polyurethane; IP67

Input: PNP; Colors: Red Green

Male-Female 4-pin M12 Integral QD

To learn more, visit our [privacy policy](#).

## SC SERIES SAFETY CONTROLLER



### SC10-2ROE

SC10-2ROE Safety Controller

ISD Compatible (2 ISD Chains) 10 Inputs 2 Relay Outputs (3 NO, 6 A each)

Terminal LEDs 4 Convertible Inputs

Push-In Spring Clamp Terminals 24 V dc; 240-580 mA

## UNIVERSAL INPUT SAFETY MODULES



### UM-FA-9A

Safety Relay Module for Safety Light Curtain/Scanner/E-Stop/Interlock

Supply Voltage: 24 V ac/dc

Safety Input: 1 Dual/Single Channel

Safety Output: 3 NO, 6 A; Aux Output: None

Terminal Block: Removable; Width: 22.5 mm

Self-Checking Circuitry, Auto/Manual Reset **Cookies**

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**EXPANDABLE SAFETY CONTROLLER: XS26** To learn more, visit our [privacy policy](#).



### XS26-ISDD

XS26-ISDD Safety Controller: Expandable

ISD Compatible (8 ISD Chains) 26 Input 2 pairs of PNP Safety Outputs (0.5 A each)

Display; Ethernet USB; 8 Convertible Inputs

Removable Screw Terminals 24 V dc; 160 mA



Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America

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