



F3SG-4SRB1600-25-K

Safety Light Curtain, F3SG-SRB IP69K version, Type 4, 25 mm resolution, range 0.3 to 16.0 m, height 1600 mm, PNP/NPN

Specifications

Sensing method	Safety light curtain
Type of protection	Hand protection
Number of beams	80
Detection capability	25 mm
Safety field height	1600 mm
Type of safety according to IEC 61496-1	4
Beam spacing	20 mm
Maximum safety range	16 m
Minimum operating distance	0.3 m
Key features	Auxiliary output, Blanking, Designated beam output, External Device Monitoring (EDM), External test, Interlock, Muting, Mutual interference prevention, Operating range selection, PNP/NPN selection, Pre-reset, Response time adjustment
Degree of protection (IP)	IP65/IP67/IP69K
Cascadable	✘
Number of protected semiconductor outputs	2
Number of semiconductor outputs with signalling function	1
Type of switching output of the OSSD	PNP/NPN
Response time	13 ms
With muting function	✔
With beam coding	✔
Communication option(s)	Bluetooth, IO-Link, USB
Suitable for safety functions	✔
Scope of delivery	Transmitter and receiver
Wavelength of the sensor	870 nm

Connection method	Root connector (order separately)
Supply voltage DC	19.2-28.8 V
Max. output current at protected output	300 mA
Ambient temperature	-30-55 °C
Overall length of sensor	1600 mm
Height of sensor	1600 mm
Width of sensor	60 mm
Number of fixed side-mount brackets	0
Number of adjustable side-mount brackets	0
Number of intermediate brackets	0

Accessories



E39-R1S

Accessory photoelectric sensor, reflector, 40 x 60 x 7.5 mm, ABS & Acrylic



E3AS-F1000IPT-M1TJ 0.3M

Photoelectric sensor, rectangular housing, plastic body, infrared laser class 1, time-of-flight, 1000 mm, PNP, Light-ON/Dark-ON, IO-Link COM3, M12 pigtail Smartclick connector, 0.3 m



E3AS-F1500IPT-M1TJ 0.3M

Photoelectric sensor, rectangular housing, plastic body, infrared laser class 1, time-of-flight, 1500 mm, PNP, Light-ON/Dark-ON, IO-Link COM3, M12 pigtail Smartclick connector, 0.3 m



E3Z-R81 2M

Photoelectric sensor, rectangular housing, red LED, retro-reflective, 4 m, PNP, Light-ON/Dark-ON, 2 m cable

















E3Z-R81 5M

Photoelectric sensor, rectangular housing, red LED, retro-reflective, 4 m, PNP, Light-ON/Dark-ON, 5 m cable



E3Z-T81 2M

Photoelectric sensor, rectangular housing, infrared LED, through-beam, 15 m, PNP, Light-ON/Dark-ON, 2 m cable

	E3Z-T81 5M	Photoelectric sensor, rectangular housing, infrared LED, through-beam, 15 m, PNP, Light-ON/Dark-ON, 5 m cable
	F39-GCN5	Muting Sensor Connection Box for F3SG-SR/PG series
	F39-GCNY2	Safety sensor accessory, F3SG-R_SR, M12 Y-joint connector, 0.5 m
	F39-GCNY3	Safety sensor accessory, F3SG-R_SR, Reset Switch M12 Y-joint connector, 0.5 m
	F39-LITF1	Intelligent Tap Bracket For DIN in Panel
	F39-LMAF1	Bracket for muting sensor arm mounter (2 units per set)
	F39-LSGTB-K	Mounting bracket for F3SG-SRB IP69K Model (set of 2 brackets)
	F39-SGBT	Bluetooth Communication Unit for F39-SGIT-IL3
	F39-SGIT-IL3	Intelligent Tap unit for F3SG-SR/PG
	F39-SML1950	Mirror column 1950 mm for Safety Light Curtain F3SG-SR/PG up to 1840 mm
	F39-TRD25	Safety light curtain accessory, test rod, 25 mm for initial and daily checks and regular inspections. (Not included in the Safety Light Curtain delivery)
	XS2G-D5S1	Field assembly connector, M12 straight plug (male), 5-poles, A coded, screw connection, for cable diameters 5-6 mm
	XS3W-M421-401-R	Cable with connectors on both cable ends, M8 straight socket (female), M8 straight plug (male), 4-poles, PVC robot cable, IP67, 1 m
	XS3W-M421-402-R	Cable with connectors on both cable ends, M8 straight socket (female), M8 straight plug (male), 4-poles, PVC robot cable, IP67, 2 m



XS3W-M421-405-R

Cable with connectors on both cable ends, M8 straight socket (female), M8 straight plug (male), 4-poles, PVC robot cable, IP67, 5 m



XS3W-M421-410-R

Cable with connectors on both cable ends, M8 straight socket (female), M8 straight plug (male), 4-poles, PVC robot cable, IP67, 10 m



XS3W-M424-402-R

Cable with connectors on both cable ends, M8 right-angle socket (female), M8 straight plug (male), 4-poles, PVC robot cable, IP67, 2 m



XS3W-M424-405-R

Cable with connectors on both cable ends, M8 right-angle socket (female), M8 straight plug (male), 4-poles, PVC robot cable, IP67, 5 m



XS3W-M42C-4C2-A

Cable with connectors on both cable ends, M8 straight socket (female), Smartclick M12 straight plug (male), 4-poles, PVC standard cable, IP67, 0.2 m



XS5F-D421-C80-F

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PVC fire-retardant robot cable, IP67, 1 m



XS5F-D421-D80-F

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PVC fire-retardant robot cable, IP67, 2 m



XS5F-D421-E80-F

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PVC fire-retardant robot cable, IP67, 3 m



XS5F-D421-G80-F

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PVC fire-retardant robot cable, IP67, 5 m



XS5F-D421-J80-F

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PVC fire-retardant robot cable, IP67, 10 m



XS5F-D421-L80-F

Sensor cable, Smartclick M12 straight socket (female), 4-poles, A coded, PVC fire-retardant robot cable, IP67, 20 m



XS5F-D521-DJ0-IL

IO-Link cable, Smartclick M12 straight socket (female), 5-poles, A coded, PVC, IP67, 2 m

CAD Library



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F3SG-SR/PG Safety Light Curtain/Safety Multi-Light Beam Datasheet

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F3SG-SR/PG Series Users Manual

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IO-Link Series Brochure

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SD Manager 3 MobileApp V1.10 Software

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SDManager3_Setup_Version: Software

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Safety Solution Basic Guide Guide

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