

S300 Ordering Guide



1) Choose Scanner

Scanners are available with a 2 meter protective field range in Standard, Advanced or Professional I/O variations.

I/O Module	Model #	Part #	List Price
Standard	S30B-2011BA	1026820	\$3,986.00
Advanced	S30B-2011CA	1026821	\$4,293.00
Professional	S30B-2011DA	1026822	\$4,918.00

2) Choose System Plug/ Cabling

S300 SYSTEM PLUGS AND CABLE FOR **STATIC** OR MOBILE ENVIRONMENTS **NOT USING ENCODER INPUTS**:

Each System Plug includes (1) M16 Cable Gland, (1) M12 Blanking Plug for the Power Supply connections, and (1) EMC M12 Gland.
SX0B-Bxxxxx have one side prewired with a length of Power/Control Cable and one side for Interface Connection (No Wiring Incl).

Description	Model #	Part #	List Price
Std, Adv & Prof (no cable)	SX0B-A0000G	2032807	\$154.00
Std 11-wire 5 meter	SX0B-B1105G	2032859	\$179.00
Std 11-wire 10 meter	SX0B-B1110G	2032860	\$193.00
Std 11-wire 20 meter	SX0B-B1120G	2032861	\$241.00
Adv/ Prof 15-wire 5 meter	SX0B-B1505G	2034264	\$189.00
Adv/ Prof 15-wire 10 meter	SX0B-B1510G	2034265	\$202.00

S300 SYSTEM PLUGS, CABLE, AND CONNECTORS FOR **DYNAMIC** OR MOBILE ENVIRONMENTS **USING ENCODER INPUTS**:

Each System Plug Includes (1) M16 Cable Gland, (3) M12 Blanking Plugs for the Power Supply connections, and (2) EMC M12 Glands.
SX0B-Bxxxxx have one side prewired with a length of Power/Control Cable and one side for Interface Connection (No Wiring Incl).

Description	Model #	Part #	List Price
Prof dynamic (no cable)	SX0B-A0000J	2032856	\$179.00
Prof 11-wire 5 meter dyn	SX0B-B1105J	2032857	\$208.00
Prof 11-wire 10 meter dyn	SX0B-B1110J	2032858	\$226.00

3) If two S300's are to be connected (i.e. Professional and Professional), choose M12 glands & EFI cable.

Two M12 EMC-compliant cable glands are required for each cable, one at each end and threaded into the System Plug.

The Professional System Plug for **DYNAMIC** Environments comes with two M12 EMC glands packaged loose for this use.

The EFI cable is special high speed communication cable to facilitate communication between two S300's or one S300 and UE440.

Description	Part #	List Price
M12 EMC-compliant Cable Gland	5308757	\$5.00
S300/ UE440 EFI cable (priced per meter)	6026675	\$3.00

Note: If using EFI cable, contact C. Jones prior to ordering from SICK to inquire about other options!

4) Choose Programming Cable

Programming cable facilitates communication between S300 and PC. This same cable is used to configure S3000's & C4000's.

Description	Part #	List Price
S300/ S3000 Programming cable, 2 meter	6021195	\$25.00
S300/ S3000 Programming cable, 8 meter	2027649	\$50.00
USB-RS232 Converter	7028966	\$27.00

5) Choose Mounting Brackets for flexible mounting

Kit 1A attaches to sides of S300 for solid mount to flat vertical surfaces.

Kit 1B includes a protective "halo" and attaches to sides of S300 for solid mount to flat vertical surfaces.

Kit 2 mounts to and is used in conjunction with Kit 1A or 1B for horizontal pitch (lateral) adjustment.

Kit 3 mounts to Kit 2 (which mounts to Kit 1A or 1B) for sideways tilt (longitudinal) adjustment.

Description	Model #	Part #	List Price
Mounting Kit 1A	S300-MB1A	2034324	\$71.00
Mounting Kit 1B	S300-MB1B	2034325	\$89.00
Mounting Kit 2	S300-MB 2	2039302	\$66.00
Mounting Kit 3	S300-MB 3	2039303	\$52.00

6) Choose a Safety Interface

In order to maintain the Category 3 safety rating of the S300, safety rated relays, a safety bus, or a safety rated PLC must be used to interface the S300 OSSD outputs. The UE 10-3OS safety relay ensures safety rating and provides 3NO/ 1NC contacts. The UE 10-3OS safety relay also has NC contacts that can be used with the S300 EDM function to maintain circuit control reliability.

Description	Model #	Part #	List Price
Safety Rated Relay	UE 10-3OS3D0	6024918	\$112.00

7) Choose a Power Supply, if needed

Maximum power for **each** S300 requires 1.65 Amps at 24VDC including both OSSD's and auxiliary outputs at full load.

SICK Power Supplies

Description	Model #	Part #	List Price
24 VDC, 2.1 Amp	PS 50W-24V	7028789	\$139.00
24 VDC, 3.9 Amp	PS 95W-24V	7028790	\$200.00

SOLA Power Supplies (Moxley Recommended!)

Description	Model #	Part #	List Price
24VDC 60W (2.5 Amps)	SDN 2.5-24-100P	15318	\$155.00
24VDC 96W (4 Amps)	SDN 4-24-100LP	15329	\$228.00
24VDC 120W (5 Amps)	SDN 5-24-100P	15319	\$239.00
24VDC 240W (10 Amps)	SDN 10-24-100P	15321	\$348.00