OMRON Industrial Automation



OS32C-SP1 VER2

Safety laser scanner, safety radius 3 m, warning zone 10 m, PLd & Cat 3 (ISO 13849-1), Ethernet, 24 VDC, side location cable exit

Specifications

Type of safety according to IEC 61496-1	3
Maximum safety range	3 m
Maximum warning range	10 m
Cable entry direction	Side
Type of switching output of the OSSD	PNP
Connection method	Pigtail connector
Key features	Configurable object resolution of 30, 40, 50 or 70 mm, Manual/auto start, Reference boundary monitoring
Type of protection	Hand protection
Detection capability	70 mm
Suitable for safety functions	✔
Scan angle	270 °
Scanning interval	0.4 Hz
Response time	80 ms
Number of safety fields	140
Wavelength of the sensor	905 nm
Number of protected semiconductor outputs	2
Number of semiconductor outputs with signalling function	2
Laser protection class	Class 1
Supply voltage DC	16.8-30 V
Voltage type	DC
Max. output current at protected output	250 mA
Degree of protection (IP)	IP65

With alert field output	✔
Ambient temperature	-10-50 °C
Overall length of sensor	143 mm
Height of sensor	105 mm
Width of sensor	105 mm

Accessories

	**OS32C-BKT1**	Bottom/side mounting bracket + unit mounting screws
	**OS32C-BKT4**	Safety laser scanner protective cover for window
	**OS32C-CBL-03M**	Safety laser scanner power and I/O cable, 3m
	**OS32C-CBL-10M**	Safety laser scanner power and I/O cable, 10m
	**OS32C-CBL-20M**	Safety laser scanner power and I/O cable, 20m
	**OS32C-ECBL-02M**	Ethernet cable, for configuration and monitoring, 2 m
	**OS32C-ECBL-05M**	Ethernet cable, for configuration and monitoring, 5 m
	WIN-CLN-KT	Accessory safety, cleaning kit

Spare parts

	**OS32C-CBSP1**	Accessory safety, laser scanner, spare for replacement, I/O block with cable access from left side
	**OS32C-SN VER2**	Accessory safety, laser scanner, spare for replacement, sensor block without I/O block, Ver.2
	**OS32C-WIN-KT**	Accessory safety, laser scanner, spare for replacement, Scan window