wenglor
the innovative family

Notice of Discontinuation
SL2-00Nx000H3
Safety Through-Beam Sensors



EN

Available as PDF file only
Version 1.0

Notice of Discontinuation

Discontinued product:	SL2-00NS000H3 (emitter) SL2-00NE000H3 (receiver)
Recommended successor product:	S1NS003 (emitter) S1NE003 (receiver)
Discontued by:	13.01.2025

(The SL2 products will still be available as spare parts in accordance with the Machinery Directive)

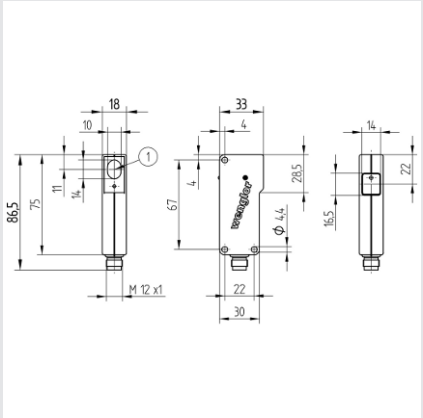
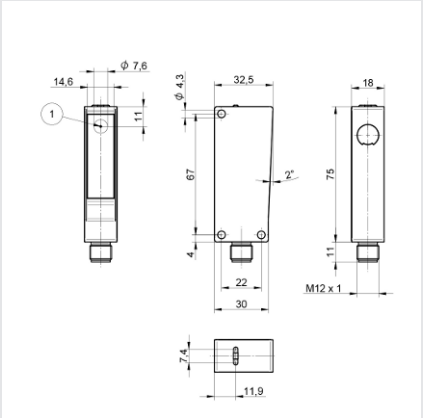
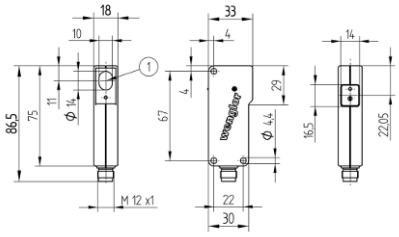
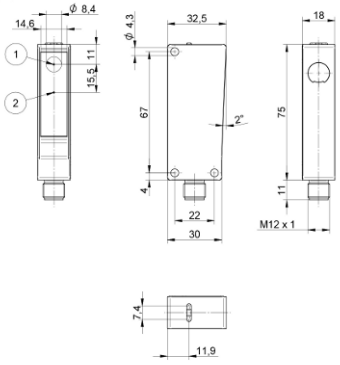
The S1N products are available as of Q2 2025.

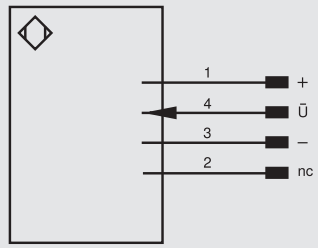
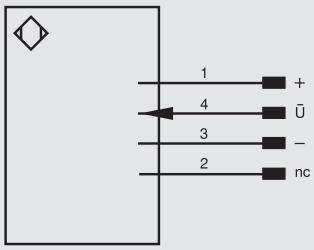
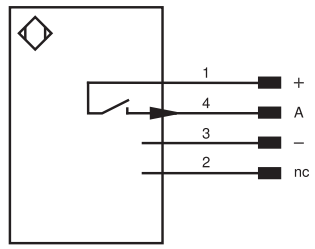
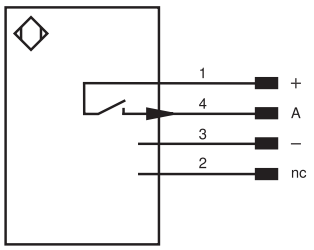
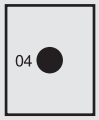
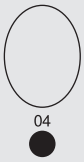
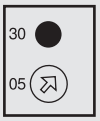
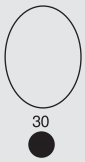
Key Differences

- The S1N products are the direct successors of the SL2 products.
- The maximum range of the S1N products has increased from 20 to 25 meters.
- Improved protection of the optics through the use of a plastic cover in the S1N products.

Please find a detailed product comparison below:

Technical data	Discontinued product SL2-00NS000H3 (emitter) SL2-00NE000H3 (receiver)	Successor product S1NS003 (emitter) S1NE003 (receiver)
Product picture		
Data shared by emitters and receivers		
Range	0 ... 20 m	0.25 ... 25 m
Supply Voltage	19.2 ... 28.8 V DC	19.2 ... 28.8 V DC
Current Consumption (Ub = 24 V) Emitter Receiver	 < 20 mA < 15 mA	 < 20 mA < 20 mA
Opening Angle	± 4 °	± 5 °
Temperature Range	-25 ... 60 °C	-30 ... 60 °C
Reverse Polarity Protection	yes	yes
Protection Class	III	III
Housing Material	Plastic, PBT	Plastic, ABS
Optic Cover	Glass	Plastic, PMMA
Full Encapsulation	yes	no
Degree of Protection	IP67	IP65/IP67
Connection	M12 × 1; 4-pin	M12 × 1; 4-pin

Technical data	Discontinued product SL2-00NS000H3 (emitter) SL2-00NE000H3 (receiver)	Successor product S1NS003 (emitter) S1NE003 (receiver)
ESPE Type (EN 61496)	2*	2*
Safety Category (EN ISO 13849-1)	2*	2*
Performance Level (EN ISO 13849-1)	PL c*	PL c*
MTTFd (EN ISO 13849-1)	381 a	381 a
Mission Time TM (EN ISO 13849-1)	20 a	20 a
Data of the emitter		
Light Source	Red Light	Red Light
Wavelength	640 nm	660 nm
Data of the sender		
Maximum permissible ambient light:		
Halogen lamp	10,000 lux	10,000 lux
Sun light	10,000 lux	10,000 lux
Energy-saving lamp light	1,500 lux	1,500 lux
Switching Output Voltage Drop	< 1.5 V	< 2 V
PNP Switching Output/Switching Current	300 mA	100 mA
Residual Current Switching Output	< 50 µA	< 50 µA
Short Circuit Protection	yes	yes
Overload Protection	yes	yes
	* in conjunction with suitable safety control unit	* in conjunction with suitable safety control unit
Technical drawings/connection diagrams/approvals		
Dimensioned image emitter	 ① = emitter diode	 ① = emitter diode
Dimensioned image receiver	 ① = receiver diode	 ① = receiver diode

Technical data	Discontinued product SL2-00NS000H3 (emitter) SL2-00NE000H3 (receiver)	Successor product S1NS003 (emitter) S1NE003 (receiver)
Connection diagram emitter	769 	769 
Connection diagram receiver	1021 	1021 
Control panel emitter	K3  No3  04 = Function Indicator	A60  04 = Function Indicator 68 = supply voltage indicator
Control panel receiver	N1  No1  05 = Switching Distance Adjuster 30 = Switching Status/Contamination Warning	A59  30 = Switching Status/Contamination Warning 68 = supply voltage indicator

Technical data	Discontinued product SL2-00NS000H3 (emitter) SL2-00NE000H3 (receiver)		Successor product S1NS003 (emitter) S1NE003 (receiver)	
Appovals	