

SERIES

SH

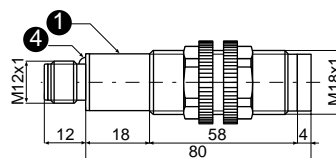


Through-beam M18 sensors

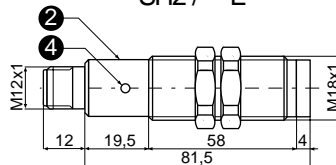
- ◆ Connectable to the control unit SBCR02
- ◆ Optical protection (1 model)
- ◆ Sensing distance up to 10m
- ◆ IEC1496 certified (safety standard of class 2)
- ◆ LED indicators available on all models
- ◆ IP67 protection degree



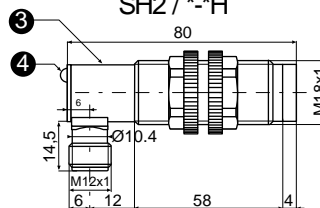
DIMENSIONAL DRAWING



SH2 / \*-E



SH2 / \*-H



SH2 / \*-OK

Key

- |   |   |                              |
|---|---|------------------------------|
| 1 | M12 plastic plug cable exit             |                              |
| 2 | M12 metal plug cable exit               | Connectors <b>CD</b> series  |
| 3 | M12 plastic right angle plug cable exit | Accessories <b>ST</b> series |
| 4 | Green LED (emission, emitters)          |                              |
|   | Yellow LED (light, receivers)           |                              |

SERIES

TH

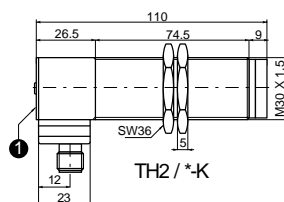


Through-beam M30 sensors

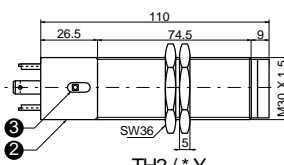
- ◆ Connectable to the control unit SBCR02
- ◆ Optical protection (2 model)
- ◆ Sensing distance up to 60m
- ◆ IEC1496 certified (safety standard of class 2)
- ◆ LED indicators available on all models
- ◆ IP67 protection degree



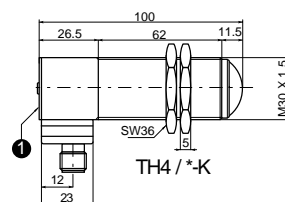
DIMENSIONAL DRAWING



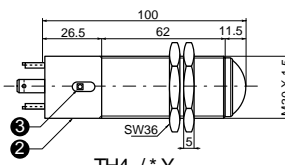
TH2 / \*-K



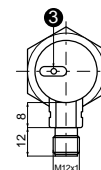
TH2 / \*-Y



TH4 / \*-K



TH4 / \*-Y



TH2 / \*-K



TH\* / \*-Y

Key

- |   |                                       |                              |
|---|---------------------------------------|------------------------------|
| 1 | M12 metal right angle plug cable exit |                              |
| 2 | DIN43650 plug cable exit              | Connectors <b>CD</b> series  |
| 3 | Green LED (emission, emitters)        | Accessories <b>ST</b> series |
|   | Yellow LED (light, receivers)         |                              |

## ORDERING SYSTEM

		<b>S H 2 / E - 0 A</b>				through-beam
series						cable exit
through-beam M18 optical sensor	SH			E		M12 plastic plug cable exit
type				H		M12 metal plug cable exit
optical protection guard 10m	2			K		right angle M12 plug cable exit
model						housing
emitter	E			0		gray plastic housing
receiver	R			1		metal housing (nickel-plated brass)

## ORDERING SYSTEM

		<b>T H 2 / E - K</b>				through-beam
series						cable exit
through-beam M30 optical sensor	TH			K		right angle M12 plug cable exit
type				Y		DIN43650 plug cable exit
optical protection guard 30m	2					
optical protection guard 60m	4					
model						
emitter	E					
receiver	R					

## SPECIFICATIONS

Model	SH2/E-**	SH2/R-**	TH2/E-**	TH2/R-**	TH4/E-**	TH4/R-**
Type	optical protection guard M18		optical protection guard M30			
Width of guarded area	10m		30m		60m	
Minimum detectable object	Ø15mm		Ø24mm			
Emission	visible red (660nm)					
Angular width of the beam	±4°				±2°	
Operating voltage	from the SBCR02 control unit					
Current consumption	50mA	25mA	50mA	25mA	50mA	25mA
Supply electrical protections	polarity reversal					
Output electrical protections	transient, overload and short circuit					
Temperature range	-20...+60°C					
Ambient humidity	15...95%					
Protection degree (DIN 40 050)	IEC IP67					
LED indicators	green (emission)	yellow (light)	green (emission)	yellow (light)	green (emission)	yellow (light)
Housing material	polyamide (plastic); nickel-plated brass (metal)		nickel-plated brass			
Tightening torque	5Nm(plastic); 40Nm (metal)		100Nm			
Weight (approx.)	2x30g (plastic); 2x75g (metal)		2x250g			