

SERIES SH

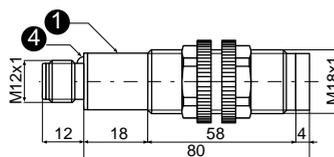


Through-beam M18 sensors

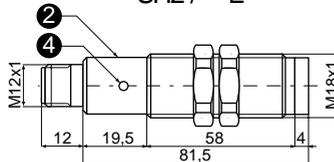
- ◆ Connectable to the control unit SBCR02
- ◆ Optical protection (1 model)
- ◆ Sensing distance up to 10m
- ◆ IEC1496 certified (safety standard of class 2)
- ◆ LED indicators available on all models
- ◆ IP67 protection degree



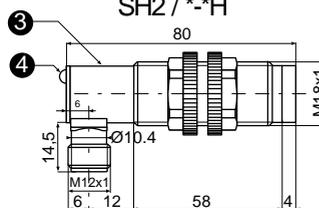
DIMENSIONAL DRAWING



SH2 /*-E



SH2 /*-H



SH2 /*-OK

Key

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

SERIES TH

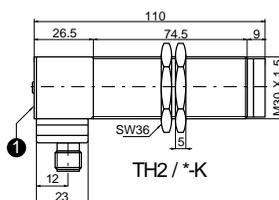


Through-beam M30 sensors

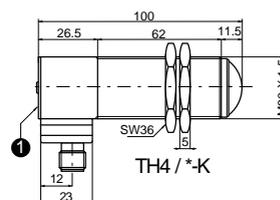
- ◆ Connectable to the control unit SBCR02
- ◆ Optical protection (2 model)
- ◆ Sensing distance up to 60m
- ◆ IEC1496 certified (safety standard of class 2)
- ◆ LED indicators available on all models
- ◆ IP67 protection degree



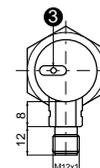
DIMENSIONAL DRAWING



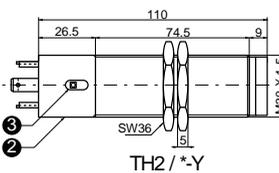
TH2 /*-K



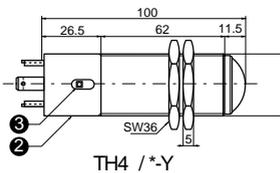
TH4 /*-K



TH2 /*-K



TH2 /*-Y



TH4 /*-Y



TH* /*-Y

Key

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

ORDERING SYSTEM

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

ORDERING SYSTEM

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