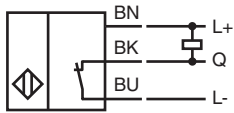
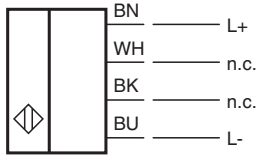




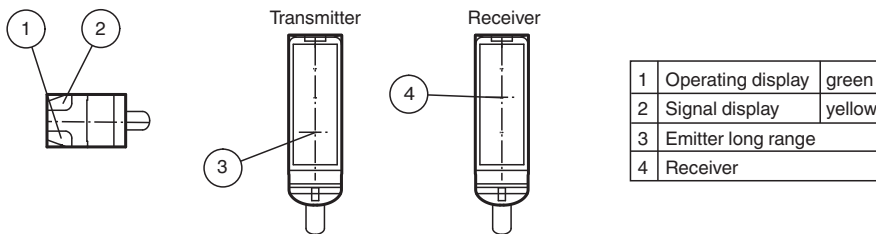
## Technical Data

Diameter of the light spot	approx. 150 mm at a distance of 2000 mm	
Opening angle	approx. 2 °	
Optical face	frontal	
Ambient light limit	EN 60947-5-2 : 30000 Lux	
<b>Functional safety related parameters</b>		
MTTF <sub>d</sub>	806 a	
Mission Time (T <sub>M</sub> )	20 a	
Diagnostic Coverage (DC)	0 %	
<b>Indicators/operating means</b>		
Operation indicator	LED green, statically lit Power on , short-circuit : LED green flashing (approx. 4 Hz)	
Function indicator	Receiver: LED yellow, lights up when light beam is free, flashes when falling short of the operating reserve ; OFF when light beam is interrupted	
<b>Electrical specifications</b>		
Operating voltage	U <sub>B</sub>	10 ... 30 V DC , class 2
No-load supply current	I <sub>0</sub>	Emitter: ≤ 11 mA Receiver: ≤ 8 mA
<b>Output</b>		
Switching type	NC contact	
Signal output	1 NPN output, short-circuit protected, reverse polarity protected, open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 50 mA , resistive load	
Voltage drop	U <sub>d</sub>	≤ 1.5 V DC
Switching frequency	f	approx. 100 Hz
Response time	5 ms	
<b>Conformity</b>		
Product standard	EN 60947-5-2	
<b>Approvals and certificates</b>		
UL approval	cULus Recognized, Class 2 Power Source	
CCC approval	CCC approval / marking not required for products rated ≤36 V	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 60 °C (-13 ... 140 °F)	
Storage temperature	-30 ... 70 °C (-22 ... 158 °F)	
<b>Mechanical specifications</b>		
Housing width	7.5 mm	
Housing height	26 mm	
Housing depth	13.8 mm	
Degree of protection	IP67	
Connection	2 m fixed cable	
<b>Material</b>		
Housing	PC/ABS and TPU	
Optical face	Polycarbonate	
Cable	PUR	
Mass	approx. 20 g per sensor	
Cable length	2 m	

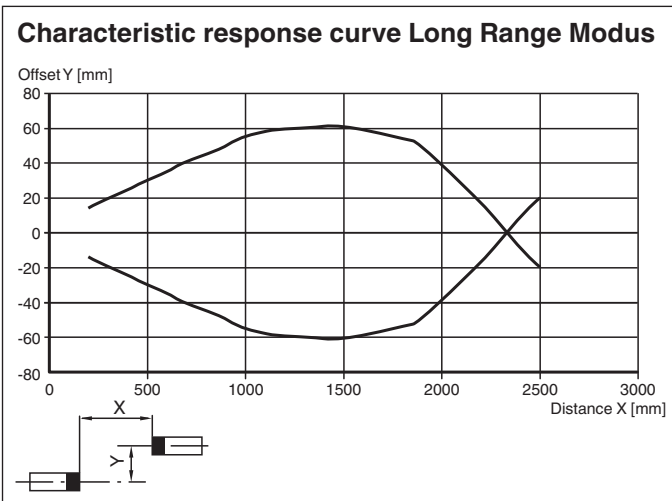
**Connection**



**Assembly**

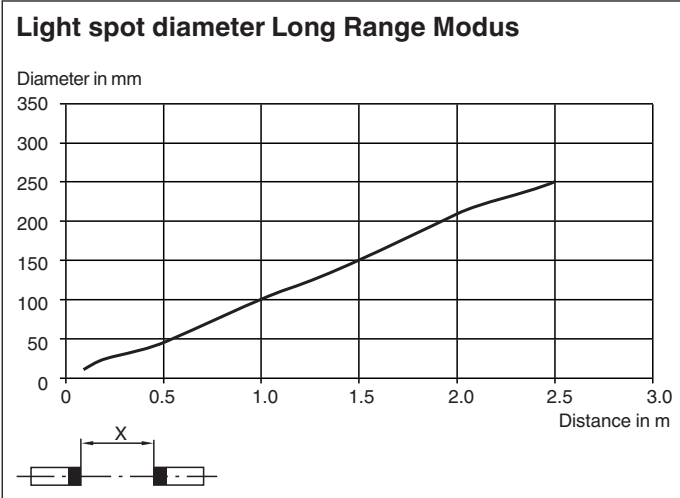
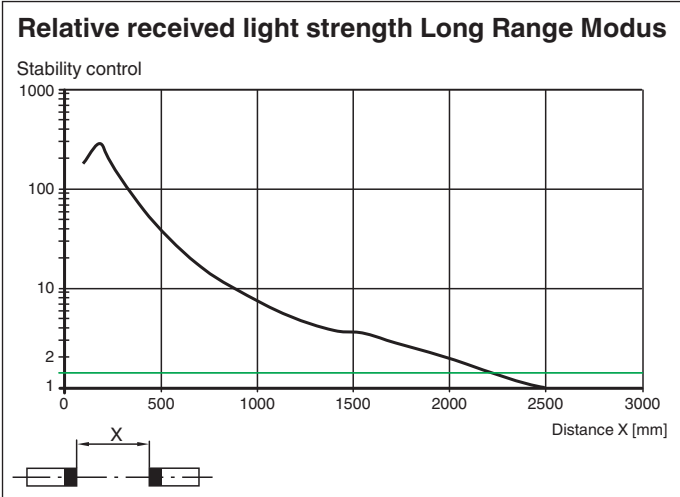


**Characteristic Curve**



Release date: 2023-04-05 Date of issue: 2023-04-05 Filename: 302635\_eng.pdf

**Characteristic Curve**



Release date: 2023-04-05 Date of issue: 2023-04-05 Filename: 302635\_eng.pdf