



Thru-beam sensor emitter MD17/115b



- Emitter
- Compact, versatile housing
- 360° high visibility LEDs
- Pigtail quick disconnect
- M12 male connector

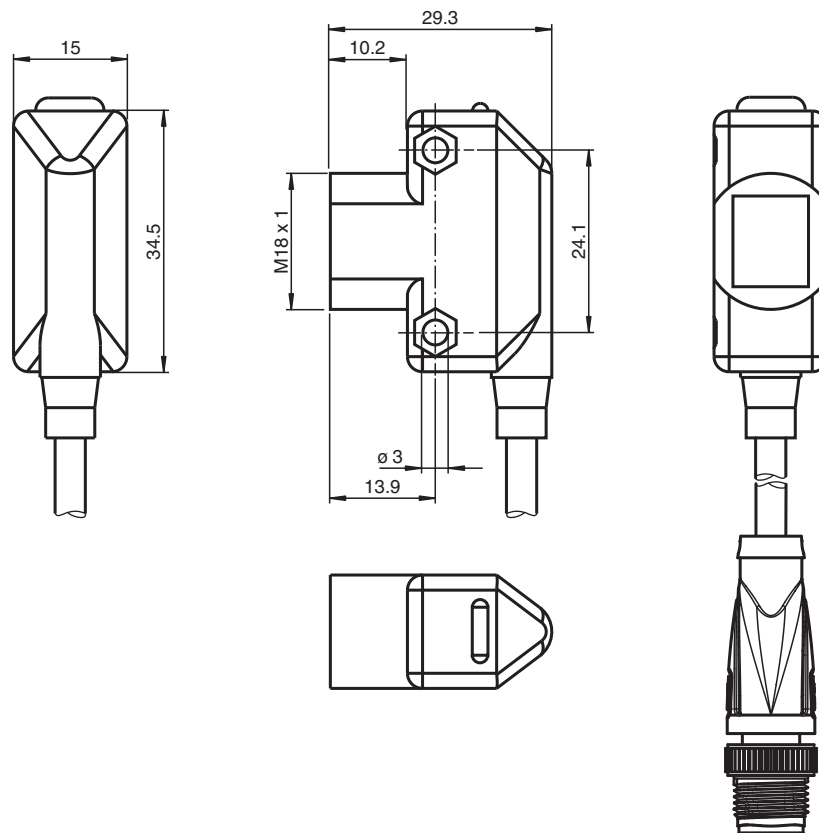
Thru-beam sensor transmitter, small design, infrared light, 20 m range, cable with M12 plug



Function

The ML17 sensor family offers diverse connection and installation options, which means that it can adapt to the most varied automation tasks. In addition to the usual fitting method using M4 screws, these sensors can also be installed by means of M18 threaded insert. All devices are equipped with a green Power On display and a yellow function display. These displays are arranged in such a way that they are clearly visible from different directions.

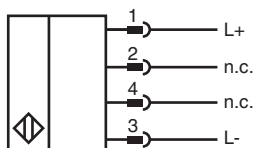
Dimensions



Technical Data

System components	
Emitter	MD17/115b
Receiver	MV17/115b/136
General specifications	
Effective detection range	0 ... 15 m
Threshold detection range	20 m
Reference target	receiver
Light source	IRED
Light type	Infrared LED
Ambient light limit	≤ 10000 Lux
Indicators/operating means	
Operation indicator	LED green
Electrical specifications	
Operating voltage	U_B 10 ... 30 V DC , class 2
Ripple	max. 10 %
No-load supply current	I_0 < 25 mA
Operating current	I_B
Time delay before availability	t_v ≤ 200 ms
Conformity	
Product standard	EN 60947-5-2 IEC 60947-5-2
Approvals and certificates	
CE conformity	CE
EAC conformity	TR CU 020/2011
UL approval	cULus
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Mechanical specifications	
Housing width	15 mm
Housing height	34.5 mm
Degree of protection	IP67
Connection	150 mm cable with M12 connector, 4-pin
Material	
Housing	ABS
Optical face	Acrylic
Mass	23 g

Connection



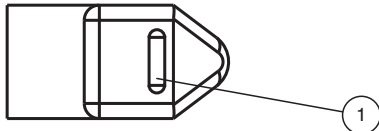
Connection Assignment



Wire colors in accordance with EN 60947-5-2

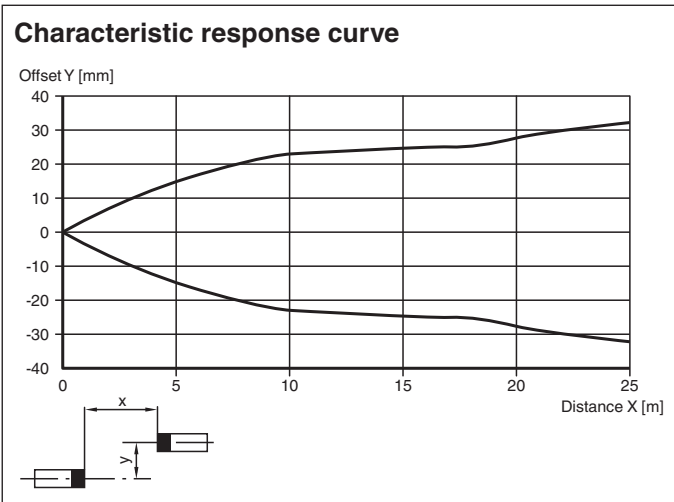
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Indication



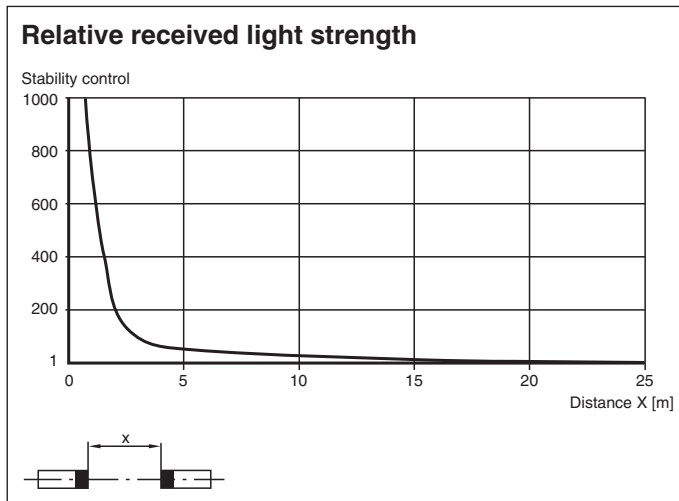
1 Operating display green

Characteristic Curve




Release date: 2022-08-03 Date of issue: 2022-08-03 Filename: 908708_eng.pdf







Characteristic Curve



Matching System Components

	MV17/115b/136	Thru-beam sensor receiver, small design, infrared, light-on/dark-on switching, push-pull output, cable with M12 plug
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Accessories

	OMH-ML17	Mounting bracket
	OMH-ML17-1	Mounting bracket
	V1-G-BK2M-PUR-U	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	V1-W-BK2M-PUR-U	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	V1-G-BK5M-PUR-U	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	V1-W-BK5M-PUR-U	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant