

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
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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
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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

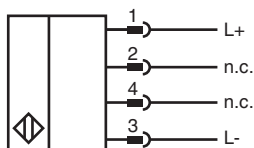
Ambient conditions

Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)

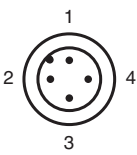
Mechanical specifications

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



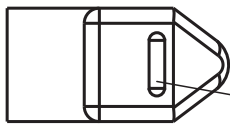
Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

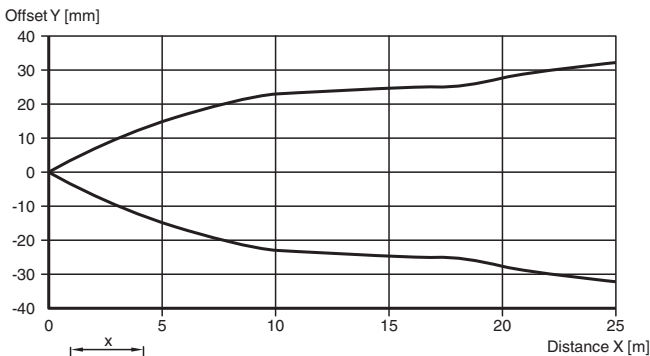
Indication



1	Operating display	green
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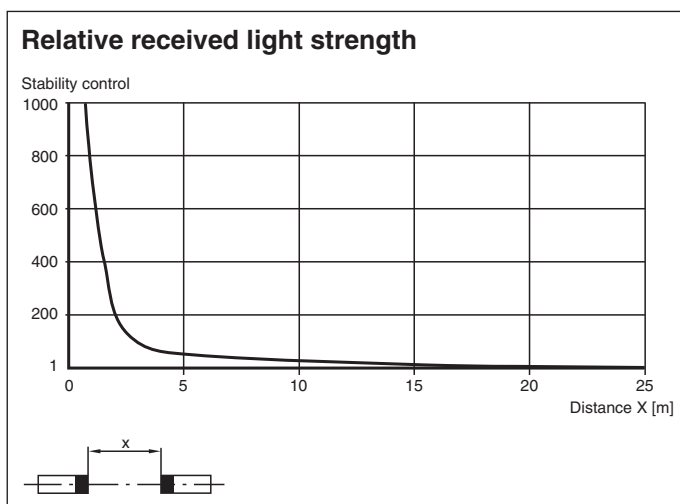
Characteristic Curve

Characteristic response 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