



## Thru-beam sensor emitter

MD17/73



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



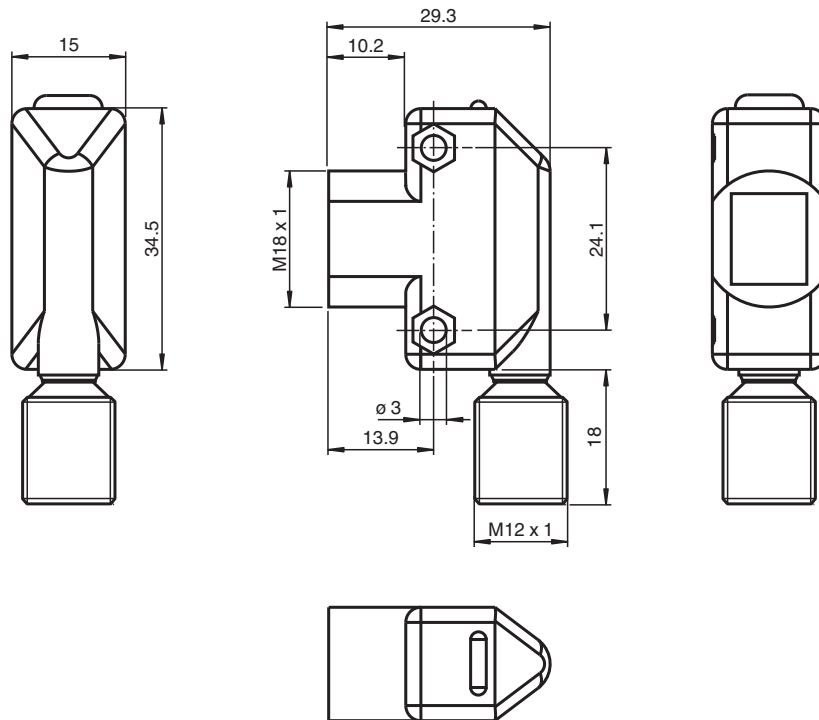
### Function

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.

### Application

- Presence monitoring
- Target sensors
- Congestion monitoring
- Track loading
- Completeness checks

## Dimensions



## Technical Data

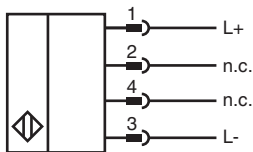
System components		
Emitter		MD17/73
Receiver		MV17/73/136
General specifications		
Effective detection range		0 ... 15 m
Threshold detection range		20 m
Reference target		receiver
Light source		IRED
Light type		Infrared LED
Ambient light limit		$\leq 10000$ Lux
Indicators/operating means		
Operation indicator		LED green
Function indicator		
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	$I_B$	
Protection class		
Time delay before availability	$t_v$	$\leq 200$ ms
Output		
Switching type		
Signal output		
Conformity		

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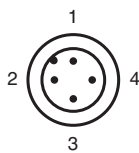
## Technical Data

Product standard	EN 60947-5-2 IEC 60947-5-2
<b>Approvals and certificates</b>	
CE conformity	CE
EAC conformity	TR CU 020/2011
UL approval	cULus
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
<b>Mechanical specifications</b>	
Housing width	15 mm
Housing height	34.5 mm
Degree of protection	IP67
Connection	M12 x 1 connector , 4-pin
Material	
Housing	ABS
Optical face	Acrylic
Mass	approx. 9 g

## Connection



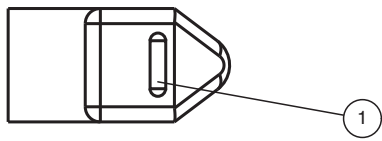
## Connection Assignment



Wire colors in accordance with EN 60947-5-2

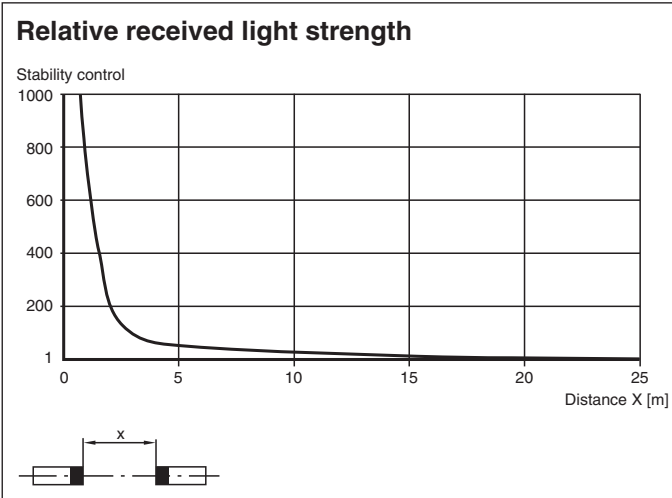
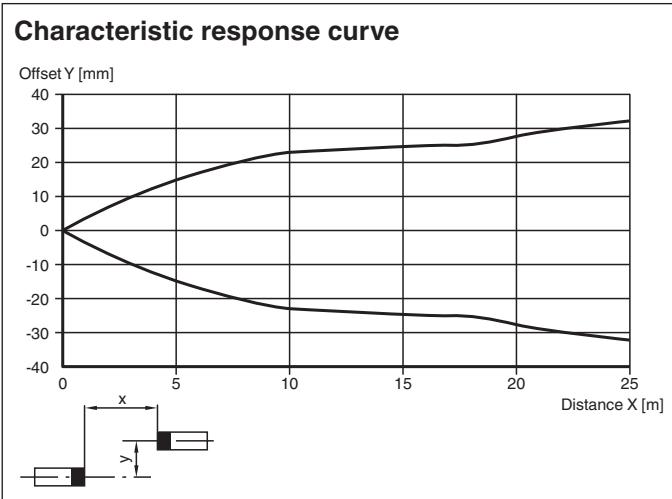
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

**Indication**



1 Operating display green



**Characteristic Curve**



**Matching System Components**





	<b>MV17/73/136</b>	Thru-beam sensor receiver
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**Accessories**

	<b>OMH-ML17</b>	Mounting bracket
	<b>OMH-ML17-1</b>	Mounting bracket

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## Accessories

	<b>V1-G-BK2M-PUR-U</b>	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	<b>V1-W-BK2M-PUR-U</b>	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	<b>V1-G-BK5M-PUR-U</b>	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant
	<b>V1-W-BK5M-PUR-U</b>	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable black, UL approved, drag chain suitable, torsion resistant