

MICRON M5-A, M5-B MULTIBEAM PHOTOCELL

MICRON M5 is a through-beam barrier type photocell, 5 beams with a compact metal housing and a PC (polycarbonate) protective front window.

The connections are guaranteed by a Pigtail cable with M12/5 poles connector for each Emitter / Receiver.

Emitter and Receiver have a top luminescent cover cap for the Photocell signals.

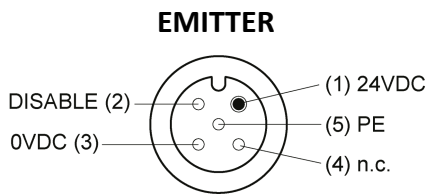
To avoid interferences between MICRON M5 photocell and a SAFEGATE Light Curtain, a DISABLE input signal (*on the emitter connector*) can be used to control the start of the beams emission.

The product is available in M5-A / M5-B version depending on the coding of the transmitted signal.

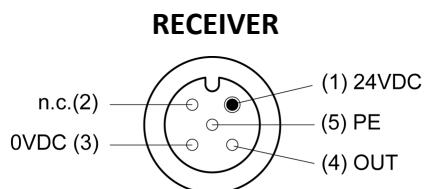
This coded signal eliminates the possibility of interference between the two different models.



Connections



PIN	SIGNAL	OPERATION	
1	24VDC	24VDC power supply	
2	DISABLE	0VDC -> ENABLE	24VDC -> DISABLE
3	0VDC	0VDC power supply	
4	-	Not connected	
5	PE	Earth connection	



PIN	SIGNAL	OPERATION	
1	24VDC	24VDC power supply	
2	-	Not connected	
3	0VDC	0VDC power supply	
4	OUT	MICRON M5 status	0VDC -> area free 24VDC -> area obstructed
5	PE	Earth connection	

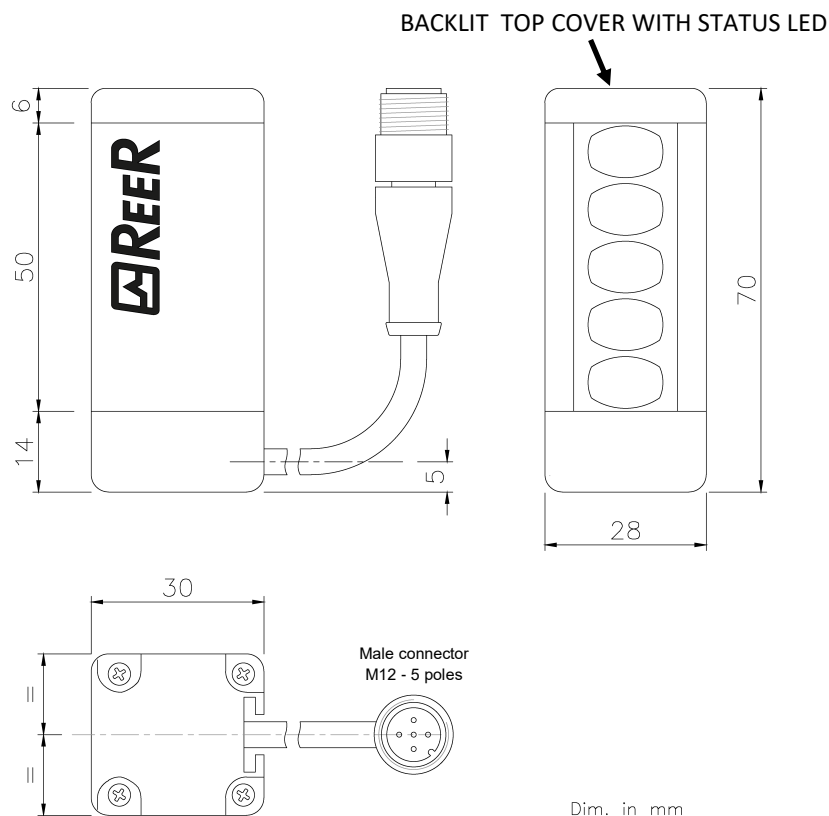
Light signals

	COLOUR	STATE	INDICATION
EMITTER UPPER LED	Yellow	ON	Beams emitted
	Yellow	OFF	No beams
RECEIVER UPPER LED	Green	ON	Controlled area is free
	Red	ON	Controlled area is obstructed
	Red	Blinking	Interfering Emitter detected

Technical Data

MODEL		MICRON M5 EMITTER	MICRON M5 RECEIVER
Power supply	Vdc	24 ± 20%	
Power consumption at 24 Vdc	W	1	
Number of beams		5	
Scanning range	m	0 ÷ 3,5	
Beams pitch	mm	10	
Immunity to ambient light	lx	> 10.000 (solar)	
Emission angle		± 5°	
Emission wavelength	nm	940 (modulated infrared)	-
Response time	ms	< 10	
Output		-	PNP 100 mA max / Dark-on
Connections		Pigtail 90 cm cable with M12 - 5 poles connector	
MTTF _d	years	414,02	
Operating temperature	°C	-30 ÷ 55 (with no condensation)	
Protection degree		IP 65	
Dimensions	Width	28	
	Depth	mm	30
	Height		70

Dimensions



⇒ The EC Declaration of Conformity is available at the following internet address:
<http://www.reer.it/reer/download>