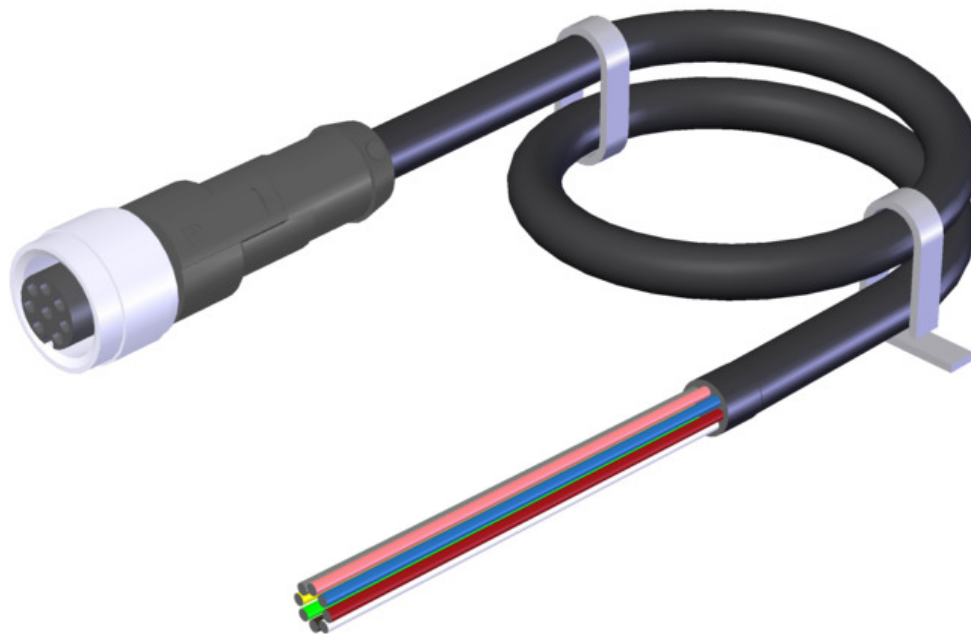


**ITEM 100179 C-M12F08-08X025PV20,0-MA-100179**

Description	Technical data	Accessories	Downloads
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**Features**

- › M12 female plug, 8-pin
- › Straight plug connector
- › PVC cable
- › Cable length 20 m
- › With flying lead

**Terminal assignment**

View of connection side	Pin	Conductor coloring
	1	WH
	2	BN
	3	GN
	4	YE
	5	GY
	6	PK
	7	BU
	8	RD

## Mechanical values and environment

Sheath material	PVC
Conductor insulation material	PVC
Conductor material	Cu flexible wire bare
Fire behavior	Flame retardant according to UL-Style 2464
Drag chain suitability	No
UV resistance	Moderately UV-resistant
Ambient temperature	
static	-25 ... +80 °C
Dynamic	-5 ... +80 °C
Number of conductors	8
Type of cable	straight
Cable length	20 m
Cable diameter	
Approx.	5,9 mm
Conductor cross-section	0.25 mm <sup>2</sup>
Conductor identification	Color code
Sheath color	Black
Bending radius	
static	5 x cable diameter
Dynamic	15 x cable diameter
	<b>Connection 1</b>
Degree of protection	IP67 [1]
Plug lock material	CuZn, nickel-plated
Insertion cycles	100
Insulating material group	1
Connection	Plug connectors M12x1
Connection type	Socket
Cable outlet	straight
Number of pins	8
Plug lock	Screw connection
Plug housing material	TPU
	<b>Connection 2</b>
Conductor end	Sheath stripped
Connection	Flying lead

## Electrical connection ratings

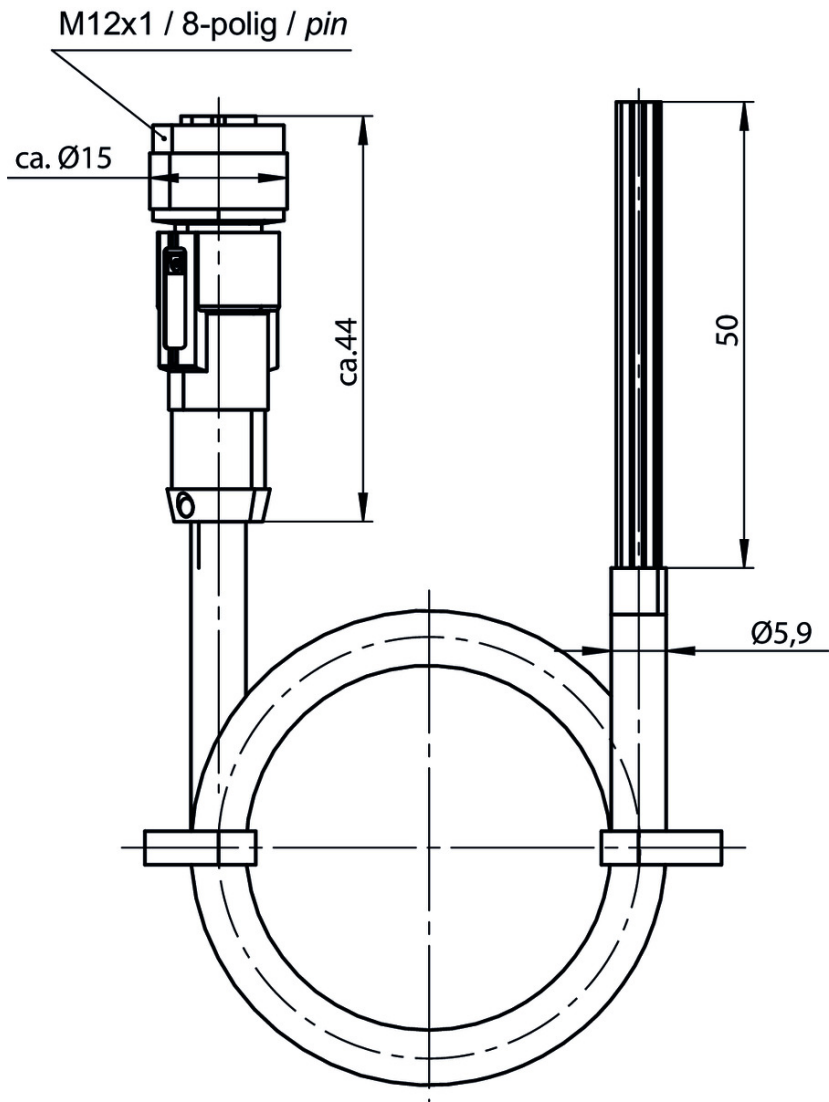
Nominal current	
At 25° C	2 A
Rated voltage	30 V

Overvoltage category according to IEC EN 60664-1	III
Rated surge voltage according to IEC 60664-1	800 V
Specific cable resistance	78 $\Omega$ /km
Specific inductance	0,51 mH/km
Specific capacitance	107 nF/km
	<b>Connection 1</b>
Degree of contamination according to EN 60664-1	3

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[1] In the inserted state

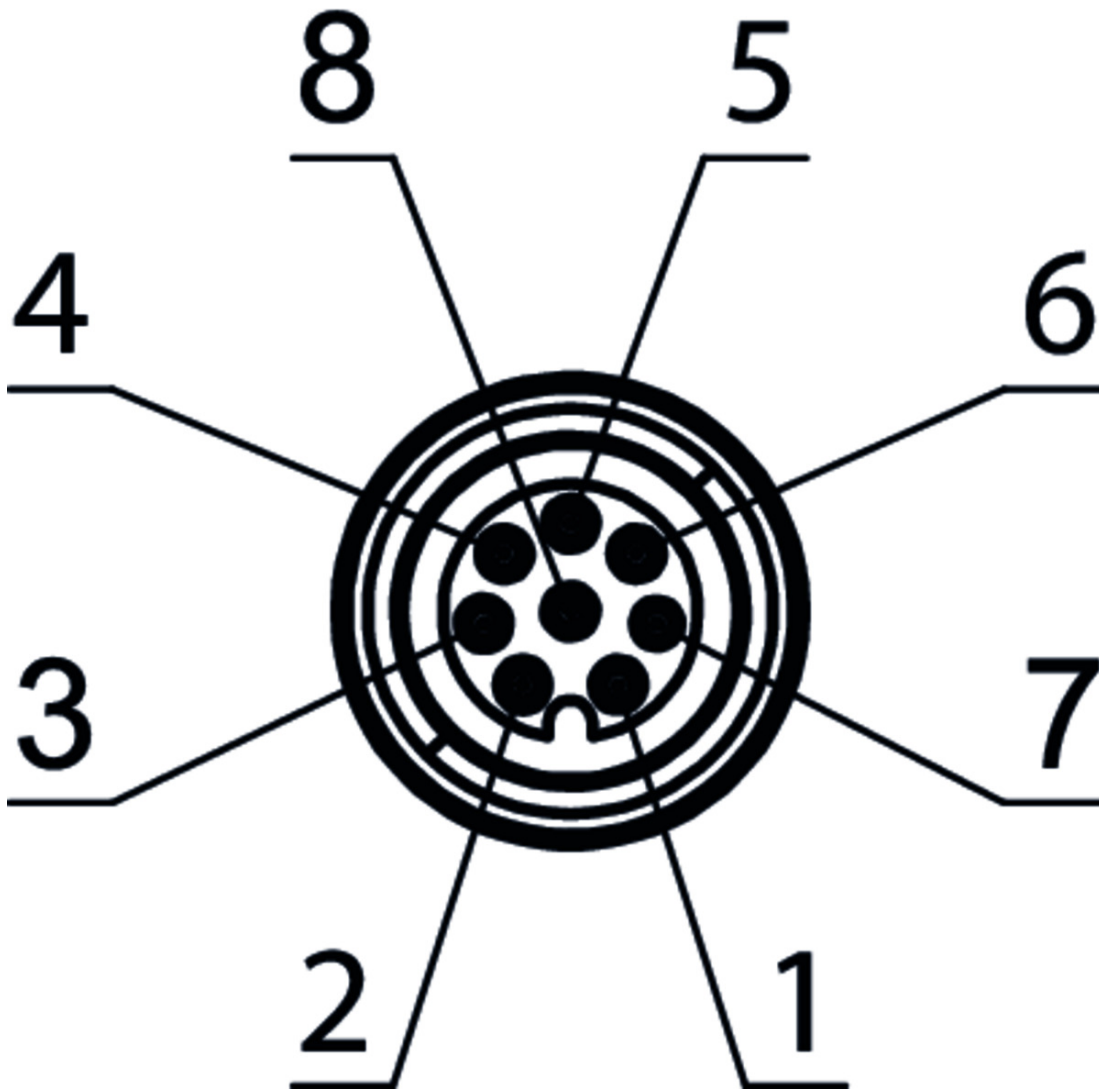
## Dimension drawing



## Legende

1 Cable socket M12x1 / 8-pin

## Terminal assignment











## Catalogs

- ✓ Light grids and light curtains LCA Barreras fotoeléctricas y cortinas fotoeléctricas LCA Barrières photoélectriques et rideaux lumineux LCA Lichtgitter und Lichtvorhänge LCA

	Doc. no.	Version	Language	Download
Lichtgitter und Lichtvorhänge LCA	157084	03-03/18		2.5 MB
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Barreras fotoeléctricas y cortinas fotoeléctricas LCA	157087	03-03/18		2.5 MB
Light grids and light curtains LCA	157085	03-03/18		2.5 MB

- ✓ Transpondercodierte Sicherheitsschalter - Verriegelungseinrichtungen und Zuhaltungen  
Transponder-coded safety switches - Interlocking devices and guard locking devices  
Interruptores de seguridad con codificación por transponder - Dispositivos de enclavamiento y bloqueos  
Interrupteurs de sécurité à codage par transpondeur - Dispositifs de verrouillage et interverrouillages

	<b>Doc. no.</b>	<b>Version</b>	<b>Language</b>	<b>Download</b>
Transpondercodierte Sicherheitsschalter - Verriegelungseinrichtungen und Zuhaltungen	127594	02-01/18		 5.2 MB
Interrupteurs de sécurité à codage par transpondeur - Dispositifs de verrouillage et interverrouillages	137558	02-01/18		 5.2 MB
Interruptores de seguridad con codificación por transponder - Dispositivos de enclavamiento y bloqueos	137560	02-01/18		 5.2 MB
Transponder-coded safety switches - Interlocking devices and guard locking devices	127595	02-01/18		 5.1 MB