

**ITEM 123431 C-M12M08-08X025PV02,0-M12F08-123431**

Description	Technical data	Accessories	Downloads
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**Features**

- › 8-pin M12 male plug, straight
- › 8-pin M12 female connector, straight
- › PVC cable
- › Cable length 2m

**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
UV resistance	Moderately UV-resistant
Ambient temperature	static -40 ... +80 °C Dynamic -25 ... +80 °C
Number of conductors	8
Type of cable	straight

Cable length	2 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>	
Degree of protection	IP67 [2]
Plug lock material	CuZn, nickel-plated
Insertion cycles	100
Insulating material group	1
Connection	Plug connectors M12x1
Connection type	Plug
Cable outlet	straight
Number of pins	8
Plug lock	Screw connection
Plug housing material	TPU

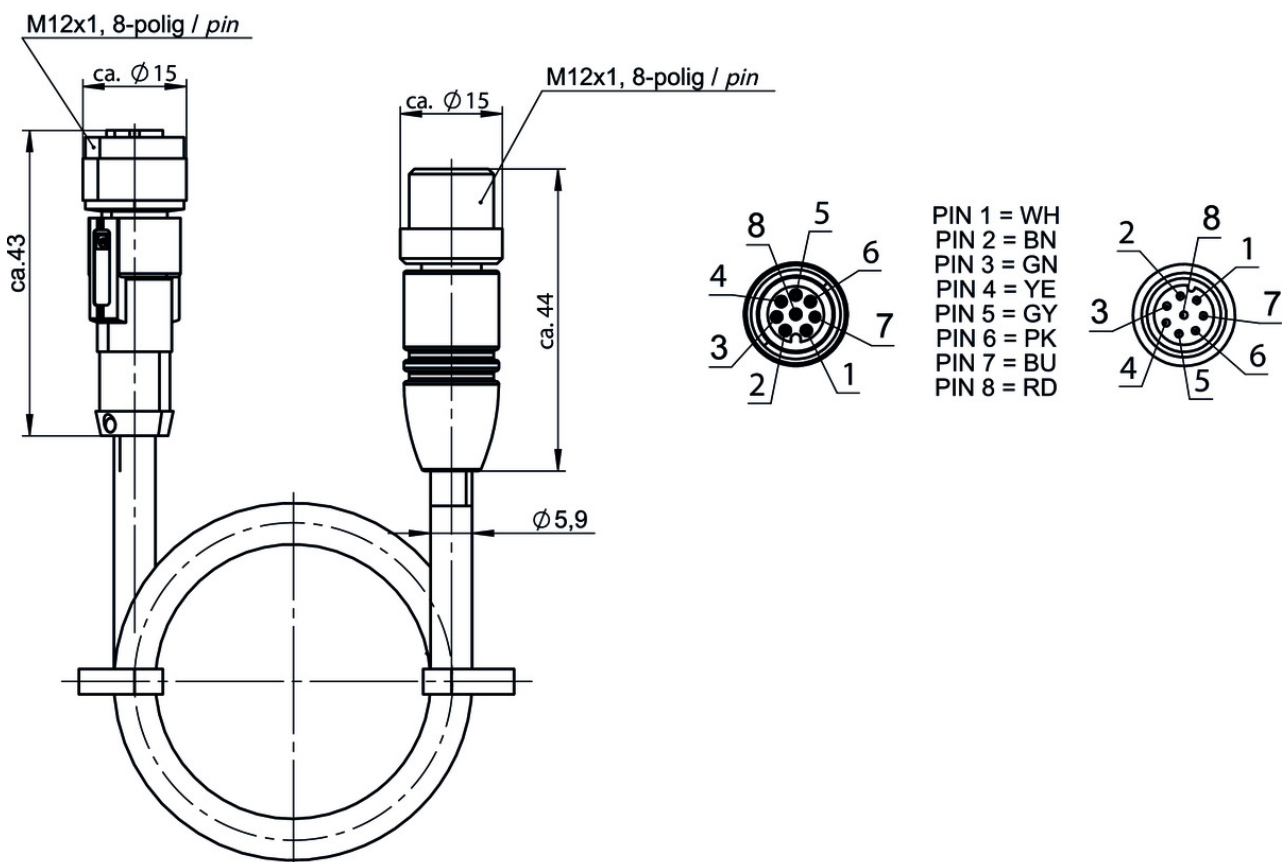
### Electrical connection ratings

Nominal current	At 40° 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 Ω/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
	<b>Connection 2</b>
Degree of contamination according to EN 60664-1	3

[1, 2] In the inserted state

### Dimension drawing



### Catalogs

- ▼ 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

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