

**ITEM 077018 C-M23F19-19XDIFPU06,0-MA-077018**

Description	Technical data	Accessories	Downloads
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**Features**

- › M23 plug connector, 18-pin + PE
- › Angled plug connector
- › Cable exit C (left)
- › PUR cable
- › Cable length 6 m
- › With flying lead
- › Cores color-coded

**Connector assignment**

Plug connector (view of connection side)	Pin	Cross-section	Conductor coloring
	1	0.5 <sup>2</sup>	VT
	2	0.5 <sup>2</sup>	RD
	3	0.5 <sup>2</sup>	GY
	4	0.5 <sup>2</sup>	RDBU
	5	0.5 <sup>2</sup>	GN
	6	1.0 <sup>2</sup>	BU

Plug connector (view of connection side)	Pin	Cross-section	Conductor coloring
	7	0.5 <sup>2</sup>	GYPK
	8	0.5 <sup>2</sup>	GNWH
	9	0.5 <sup>2</sup>	YEWH
	10	0.5 <sup>2</sup>	GYWH
	11	0.5 <sup>2</sup>	BK
	12	1.0 <sup>2</sup>	GNYE
	13	0.5 <sup>2</sup>	PK
	14	0.5 <sup>2</sup>	BNGY
	15	0.5 <sup>2</sup>	BNYE
	16	0.5 <sup>2</sup>	BNGN
	17	0.5 <sup>2</sup>	WH
	18	0.5 <sup>2</sup>	YE
	19	1.0 <sup>2</sup>	BN

## Approvals



## Mechanical values and environment

Sheath material	PUR
Conductor insulation material	PVC
Conductor material	EL-Cu flexible wire bare super fine strands
Fire behavior	Flame retardant according to VDE 0472 804
Drag chain suitability	Yes
Ambient temperature	Dynamic -20 ... +90 °C static -40 ... +90 °C
Number of conductors	19
Type of cable	straight
Cable length	6 m
Cable diameter	Approx. 11,6 mm
Conductor cross-section	16 x 0.5 mm <sup>2</sup> / 3 x 1 mm <sup>2</sup>
Conductor identification	Color code
Sheath color	Black
Bending radius	Dynamic 10x cable diameter
	<b>Connection 1</b>

Degree of protection	IP65 / IP67 <b>[1]</b>
Plug lock material	CuZn, nickel-plated
Designation of plug connector	RC <b>[2]</b>
Insertion cycles	50
Connection	Plug connector M23
Connection type	Socket
Cable outlet	Angle left
Number of pins	19 <b>[3]</b>
Plug lock	Screw connection
Plug housing material	CuZn, nickel-plated
	<b>Connection 2</b>
Conductor end	Sheath stripped
Connection	Flying lead

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### Electrical connection ratings

Rated voltage	150 V
Overtoltage category according to IEC EN 60664-1	II
Test voltage	1,5 kV
	<b>Connection 1</b>
Degree of contamination according to EN 60664-1	3

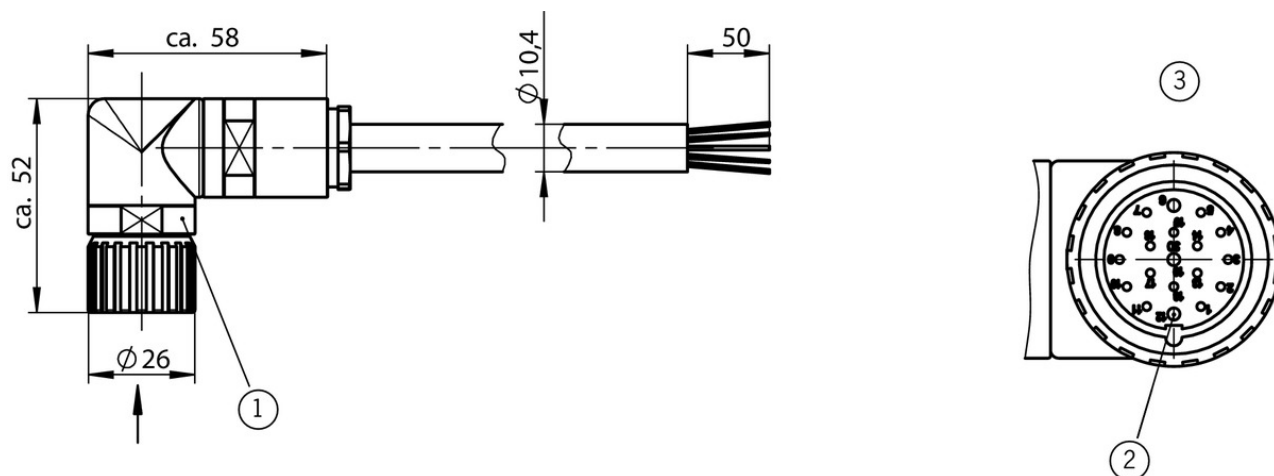
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**[1]** Locked

**[2]** With screen bonding clamp

**[3]** 18+PE

## Dimension drawing



## Legende

- 1 Female plug M23, 19-pin, with screen bonding clamp
- 2 PIN 12 (PE with screen bonding clamp)
- 3 Terminal assignment as seen from the connection side cable outlet C

## Connection material

- Coupling socket RC18, straight, with option C1825



### **129500** RC18EM-C1825

#### Features

- › Coupling socket M23, straight
- › Number of pins: 19-pin with screen bonding clamp
- › Suitable for extension of plug RC18EF-1825, RC18WF-1825
- › Replacement crimp contacts available as item number 155811.













## 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













	Doc. no.	Version	Language	Download
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

Bezpečnostní spínače s plastovým pouzdem Sicherheitsschalter mit Kunststoffgehäuse Safety Switches with Plastic Housing Interruptores de seguridad con carcasa plástica Interrupteurs de sécurité avec boîtier plastique 塑料壳体 的安全开关

	Doc. no.	Version	Language	Download
Sicherheitsschalter mit Kunststoffgehäuse	096955	11-03/18		 6.6 MB
Interrupteurs de sécurité avec boîtier plastique	100677	11-03/18		 6.6 MB
Interruptores de seguridad con carcasa plástica	104855	11-03/18		 6.6 MB
Bezpečnostní spínače s plastovým pouzdem	121649	11-03/18		 6.6 MB
Safety Switches with Plastic Housing	096956	11-03/18		 6.6 MB
塑料壳体 的安全开关	116243	11-03/18		 6.2 MB

Sicherheitsschalter mit Metallgehäuse Safety Switches with Metal Housing Bezpečnostní spínače s kovovým pouzdem Interrupteurs de sécurité avec boîtier métallique 金属壳体 的安全开关 Interruptores de seguridad con carcasa metálica

	Doc. no.	Version	Language	Download
Sicherheitsschalter mit Metallgehäuse	100319	11-03/18		 7.9 MB
Interrupteurs de sécurité avec boîtier métallique	100676	11-03/18		 7.9 MB
Interruptores de seguridad con carcasa metálica	104856	11-03/18		 14.0 MB
Safety Switches with Metal Housing	100369	11-03/18		 7.9 MB
Bezpečnostní spínače s kovovým pouzdem	121650	11-03/18		 7.9 MB
金属壳体 的安全开关	102453	11-03/18		 8.2 MB

## CAD data

CAD data for this item on TraceParts