

## EtherCat Connection technology

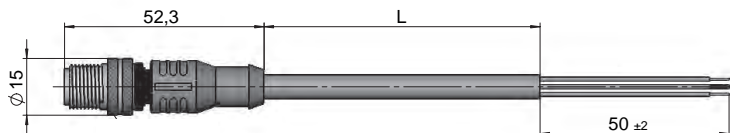


Fig.	PIN-assignment	Type	Use	Order code	Suitable for encoders
		4-pin plug connector with M12 coupling, D-coded, straight, end open, PUR cable 2...10 m long	EtherCAT bus cable Port A and B	2 m: 05.WASSY4.029-2/S2171/S222 5 m: 05.WASSY4.029-5/S2171/S222 10 m: 05.WASSY4.029-10/S2171/S222	5858, 5878, 5868, 5888 with EtherCat interface
		M12 coupling, straight, end open, PUR cable 2...10 m long	EtherCat Power supply	2 m: 05.WAK4-2/S90 2 m: 05.WAK4-5/S90 10 m: 05.WAK4-10/S90	5858, 5878, 5868, 5888 with EtherCat interface
		4-pin plug connector M12 coupling, straight, D-coded, self-assembly	EtherCAT bus cable Port A and B	05.WASCSY4S	5858, 5878, 5868, 5888 with EtherCat interface
		RJ45 plug connector, self-assembly	EtherCAT bus cable Port A and B	05.VS-08-RJ45-5-Q/IP20	5858, 5878, 5868, 5888 with EtherCat interface
		4-pin. plug connector M12 coupling straight, self-assembly	EtherCat Power supply	05.B8141-0	5858, 5878, 5868, 5888 with EtherCat interface

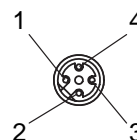
### Characteristics 4-pin plug connector with M12 coupling, D-coded, straight, end open, PUR cable 2...10 m long

Rated voltage:	250 V
Ambient temperature cable:	-30 ... +90 °C
Materials:	Handle body: TPU Union nut: Cu/Ni Cable: Outer jacket: PUR Individual core insulation: PE
Protection:	IP 67 when screwed together

#### Dimensions:



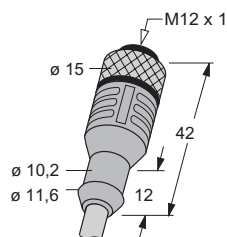
#### Pin assignment:



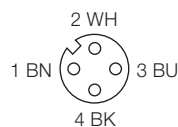
### Characteristics M12 coupling straight, end open, PUR cable 2...10 m long:

Rated voltage:	250 V AC/300 V DC
Ambient temperature cable:	-25 ... +80 °C
Materials: Handle:	PVC Union nut: CuZn-Ni Cable: Outer jacket: PUR Individual core insulation: PVC
Protection: IP	67

#### Dimensions:



#### Pin assignment:

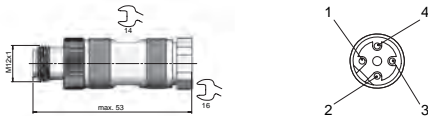


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**Characteristics 4-pin plug connector M12 coupling, straight, D-coded, self-assembly**

N° of pins:	4
Protection: IP67	
Ambient temperature:	-25 ... +85 °C
Cable diameter	6 ... 8 mm
Wire cross section:	0,2 ... 0,32 mm <sup>2</sup>

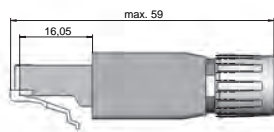
**Dimensions:**



**Characteristics RJ45 plug connector, self-assembly:**

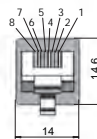
N° of pins:	8
Protection: IP20	
Ambient temperature:	-10 ... +60 °C
Cable diameter	4.5 ... 8 mm

**Dimensions:**



**Connections to TIA 568**

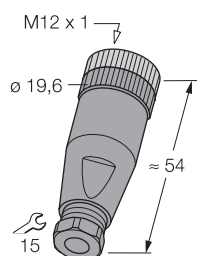
PIN	TIA 568 A	TIA 568 B
1	White/Green	White/Orange
2	Green	Orange
3	White/Orange	White/Green
4	Blue	Blue
5	White/Blue	White/Blue
6	Orange	Green
7	White/Brown	White/Brown
8	Brown	Brown



**Characteristics 4-pin plug connector, self-assembly:**

Rated voltage:	125 V AC/150 V DC
Rated current:	4 A
Ambient temperature:	-40 ... +80 °C
Materials:	handle part: PBT, Union nut CuZn-Ni
Protection: IP	67

**Dimensions:**



**Pin assignment:**

