Description

Bus system connector, socket, straight, 4-pos., M12 shielded, D-coded,
fast connection system, cable diameter max. 8 mm

General characteristics

Coding	D-coded
Number of poles	4
Temperature range	-40 °C to +85 °C (-40 °F to +185 °F) (operation)
Degree of protection	IP67
Surge voltage category	II
Pollution degree	3
Status display	no
Transmission characteristics	CAT.5 (IEC 11801:2002)

Connector pin assignment
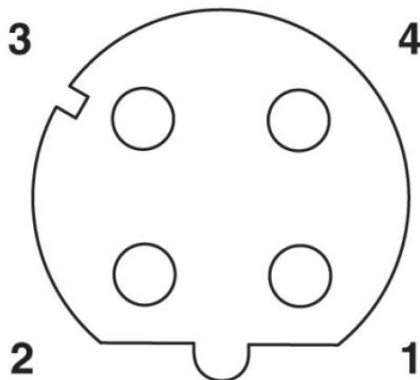
ETHERNET		
PIN	**Wire colour**	**Signal**
1	OGWH = Orange/white	TD+
2	GNWH = Green/white	RD+
3	OG = Orange	TD-
4	GN = Green	RD-

PROFINET		
PIN	**Wire colour**	**Signal**
1	YE = Yellow	TD+
2	WH = White	RD+
3	OG = Orange	TD-
4	BU = Blue	RD-

Suitable cable: Etherline® 2-pairs CAT.5/5e

Mechanical characteristics

Contact carrier material	PA66
Material of grip body	Zinc die-cast, (nickel-plated)
Material of knurls	Nickel-plated brass
Sealing material	Neoprene
Connection type	Fast-connect connection type
Inflammability class acc. To UL 94	V0
Diameter (min)	4 mm
Diameter (max)	8 mm
Conductor cross section	$0.14\ mm^2\ ...\ 0.34\ mm^2$
Conductor cross section AWG	22/1 to 26/1
	22/7 to 26/7
Core diameter incl. isolation	1 mm ... 1,6 mm

Electrical characteristics

Rated voltage	48 V AC / 60 V DC
Rated current	1.75 A
Contact resistance	5 mΩ

Technical Drawing
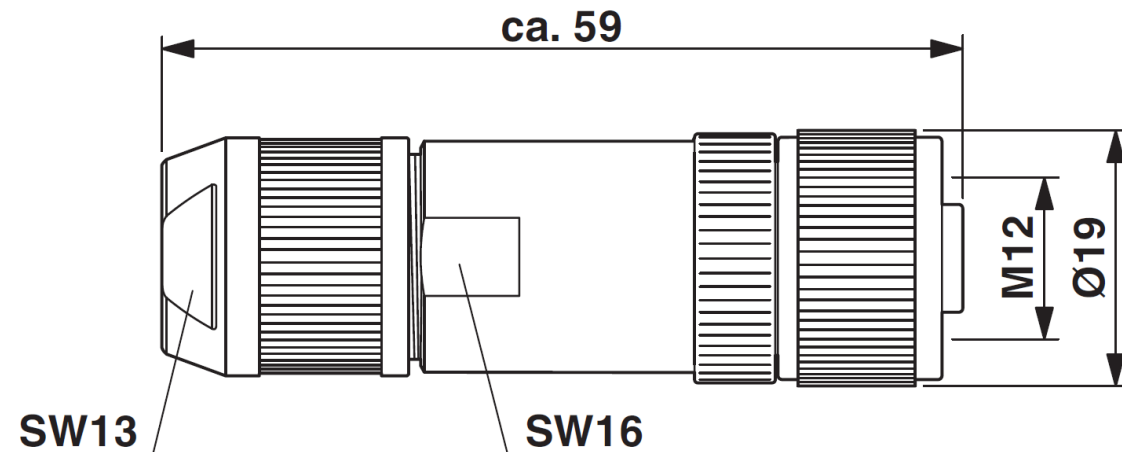
Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not true to scale and do not represent detailed images of the respective products.