



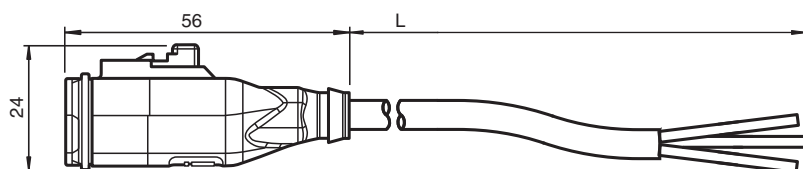
## Female connector DT3S-G-BK1,5M-PUR-O1

- Suitable for outdoor use (UV- and ozone resistant)
- Suitable for drag chains and abrasion resistant
- Degree of protection IP68
- Resistant to microbes and hydrolysis
- Oil resistant
- Resistant to salt water
- Halogen-free
- Snap locking

Female cordset single-ended Deutsch socket straight, 3-pin, PUR cable black, drag chain suitable, outdoor



### Dimensions



### Technical Data

#### General specifications

Connector 1	
Connection	socket
Construction type	Deutsch connectors
Style	straight
Locking	Snap locking
Number of pins	3
Connector 2	
Connection	cable end

#### Electrical specifications

Operating voltage	$U_B$	max. 48 V AC / 60 V DC
Operating current	$I_B$	max. 8 A Per contact

#### Conformity

Degree of protection	EN 60529
Flammability	UL 1581; DIN EN 60332-2-2
Halogen-free	DIN VDE 0472-815 / DIN EN 50267-2-1

Release date: 2020-09-23 Date of issue: 2020-09-23 Filename: 305287\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

## Technical Data

Oil resistance		DIN EN 60811-2-1
<b>Ambient conditions</b>		
Ambient temperature		
Plug connector		-40 ... 125 °C (-40 ... 257 °F)
Cable, fixed		-50 ... 105 °C (-58 ... 221 °F)
Cable, flexing		-30 ... 105 °C (-22 ... 221 °F)
Pollution degree		3
<b>Mechanical specifications</b>		
Plug connector		
Loosening protection		available
Degree of protection		IP68
Cable		according to IEC/EN 60228 (DIN VDE 0295) class 6
Sheath diameter		4.5 mm
Bending radius		> 10 x cable diameter, moving > 8 x cable diameter, fixed
Sheath stripping force		max. 50 N / 300 mm
Sheath color		black (similar to RAL 7021)
Number of cores		3
Core cross-section		0.5 mm <sup>2</sup>
Cores color		Core A: brown Core B: blue Core C: black
Core construction		28 x 0.15 mm Ø 1 x symmetrically twisted
Length	L	1.5 m
Cable code		Li 9Y 11Y 3 x 0,50
Drag chain suitability		
Drag chain cycles		min. 2000000
Motion velocity		max. 3 m/s
Traverse distance		10 m
Acceleration		max. 10 m/s <sup>2</sup>
<b>Material</b>		
Halogen-free		yes
Plug connector		
Body		PA, black
Contact surface		Ni
Flammability		V-0
Cable		
Sheathing		PUR based on polyether
Core insulation		PP
Salt water resistance		yes
UV resistance		yes
Chemical resistance		good
Oil resistance		yes
Cooling lubricant resistance		yes
Microbial resistance		yes
Hydrolysis resistance		yes
Flammability		FT2

Release date: 2020-09-23 Date of issue: 2020-09-23 Filename: 305287\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

 PEPPERL+FUCHS

## Connection Assignment

