

1577888

https://www.phoenixcontact.com/us/products/1577888

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, shielded, free cable end, on Socket straight M8, coding: A, cable length: 5 m, Shield not connected to knurl

Commercial data

Item number	1577888
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF1BBA
GTIN	4046356462280
Weight per piece (including packing)	176.6 g
Weight per piece (excluding packing)	176.6 g
Country of origin	PL



1577888

https://www.phoenixcontact.com/us/products/1577888

Technical data

Product properties

Product type	Sensor/actuator cable	
Number of positions	3	
No. of cable outlets	1	
Shielded	yes	
Coding	A	
Insulation characteristics		
Overvoltage category	II	
Degree of pollution	3	

Material specifications

Flammability rating according to UL 94	НВ
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A

Signaling

Status display	no
Status display present	no

Connector

Connection 1

Туре	free cable end
Connection 2	
Туре	Socket straight M8
Number of positions	3
Coding type	A

Cable/line

Cable length	5 m
PUR halogen-free black [PUR]	



1577888

https://www.phoenixcontact.com/us/products/1577888

UL AWM Style 20549 Number of positions 3 Shielded yes Cable type PUR halogen-free black [PUR] Conductor structure signal line 32 × 0.10 mm AWG signal line 24 Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation PP Single wire, si	Dimensional drawing	
UL AWM Style 20549 Number of positions 3 Shielded yes Cable type PUR halogen-free black [PUR] Conductor structure signal line 32 x 0.10 mm AWG signal line 24 Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0.00 mm (Outer cable sheath) Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V	Cable weight	26 kg/km
Shielded yes Cable type PUR halogen-free black [PUR] Conductor structure signal line 32x 0.10 mm AWG signal line 24 Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0 wires, twisted Optical shield covering 80 % Max. conductor resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 1000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²	UL AWM Style	20549
Cable type PUR halogen-free black [PUR] Conductor structure signal line 32x 0.10 mm AWG signal line 24 Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² <	Number of positions	3
Conductor structure signal line 32x 0.10 mm AWG signal line 24 Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0.00 mm (Outer cable sheath) Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance ≥ 100 GΩ*km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s²	Shielded	yes
AWG signal line 24 Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0 verall twist Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GO*km Nominal voltage, cable 300 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Flame resistance in accordance with DIN VDE 0472 part 815 Flame resistance to oil<	Cable type	PUR halogen-free black [PUR]
Conductor cross section 3x 0.25 mm² (Signal line) Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0 verall twist Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, fixed installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with DIN EN 60811-2-1 DIN EN 60332-2-2 (20 s) <td>Conductor structure signal line</td> <td></td>	Conductor structure signal line	
Wire diameter incl. insulation 1.17 mm ±0.02 mm (Signal line) External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0 Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with DIN EN 60811-2-1 DIN EN 60332-2-2 (20 s) in accordance w	AWG signal line	24
External cable diameter 4.35 mm ±0.2 mm Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0 Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with DIN VDE 0472 part 815 DIN EN 60332-2-2 (20 s) in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to	Conductor cross section	3x 0.25 mm² (Signal line)
Outer sheath, material PUR External sheath, color black-gray RAL 7021 Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0 Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Wire diameter incl. insulation	1.17 mm ±0.02 mm (Signal line)
External sheath, color Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) Overall twist Optical shield covering Max. conductor resistance Insulation resistance Nominal voltage, cable Test voltage Smallest bending radius, fixed installation Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Flame resistance In accordance with DIN VDE 0472 part 815 Flame resistance to oil Other resistance with Constant of the co	External cable diameter	4.35 mm ±0.2 mm
Conductor material Bare Cu litz wires Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Outer sheath, material	PUR
Material wire insulation PP Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 0.50 mm (Outer cable sheath) Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 6033-2-2 (20 s) DIN EN 6033-2-2 (20 s) Resistance to oil in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	External sheath, color	black-gray RAL 7021
Single wire, color brown, blue, black Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) In accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Conductor material	Bare Cu litz wires
Thickness, insulation ≥ 0.21 mm (Core insulation) ≥ 0.50 mm (Outer cable sheath) 3 wires, twisted Optical shield covering Max. conductor resistance Max. conductor resistance Max. conductor resistance Nominal voltage, cable Test voltage 300 V Test voltage 300 V Smallest bending radius, fixed installation Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² In accordance with DIN VDE 0472 part 815 Flame resistance Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Material wire insulation	PP
≥ 0.50 mm (Outer cable sheath) Overall twist Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² In accordance with DIN VDE 0472 part 815 In accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Single wire, color	brown, blue, black
Overall twist 3 wires, twisted Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) In accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Thickness, insulation	≥ 0.21 mm (Core insulation)
Optical shield covering 80 % Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant		≥ 0.50 mm (Outer cable sheath)
Max. conductor resistance max. 79 Ω/km Insulation resistance ≥ 100 GΩ*km Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Overall twist	3 wires, twisted
Insulation resistance Nominal voltage, cable 300 V Test voltage 3000 V Smallest bending radius, fixed installation Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Optical shield covering	80 %
Nominal voltage, cable Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Smallest bending radius, movable installation 44 mm Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Max. conductor resistance	max. 79 Ω/km
Test voltage 3000 V Smallest bending radius, fixed installation 22 mm Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Insulation resistance	≥ 100 GΩ*km
Smallest bending radius, fixed installation Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Nominal voltage, cable	300 V
Smallest bending radius, movable installation Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Test voltage	3000 V
Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Smallest bending radius, fixed installation	22 mm
Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10 m/s² Halogen-free in accordance with DIN VDE 0472 part 815 Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Smallest bending radius, movable installation	44 mm
Flame resistance in accordance with UL 758/1581 FT2 DIN EN 60332-2-2 (20 s) Resistance to oil in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Dynamic load capacity (bending)	Traversing path: 10 m, Traversing rate: 3 m/s, Acceleration: 10
DIN EN 60332-2-2 (20 s) Resistance to oil in accordance with DIN EN 60811-2-1 Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant	Flame resistance	in accordance with UL 758/1581 FT2
Other resistance Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant		DIN EN 60332-2-2 (20 s)
hydrolysis and microbe resistant	Resistance to oil	in accordance with DIN EN 60811-2-1
	Other resistance	Highly resistant to acids, alkaline solutions and solvents
partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)		hydrolysis and microbe resistant
		partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)



1577888

https://www.phoenixcontact.com/us/products/1577888

Special properties	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Ambient temperature (operation)	-40 °C 80 °C (cable, fixed installation)
	-25 °C 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C 90 °C (Plug / socket)
	-40 °C 80 °C (cable, fixed installation)
	-5 °C 80 °C (Cable, flexible installation)

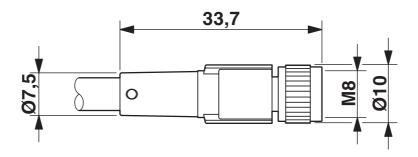


1577888

https://www.phoenixcontact.com/us/products/1577888

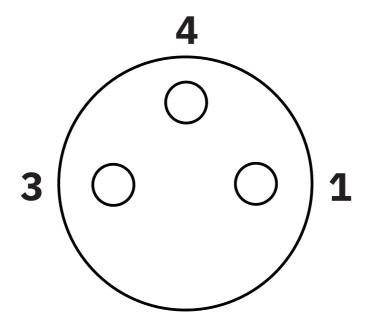
Drawings

Dimensional drawing



Socket M8 x 1, straight

Schematic diagram



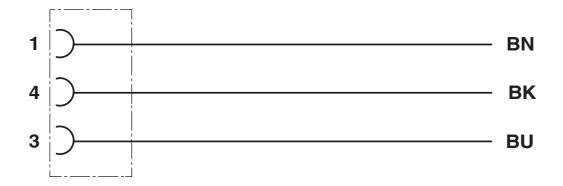
Pin assignment M8 socket, 3-pos., view female side



1577888

https://www.phoenixcontact.com/us/products/1577888

Circuit diagram



Contact assignment of M8 socket



1577888

https://www.phoenixcontact.com/us/products/1577888

Classifications

ECLASS

ECLASS-13.0 27060311



1577888

https://www.phoenixcontact.com/us/products/1577888

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2025 @ - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com