

M12 Power female 0° L-cod. with cable

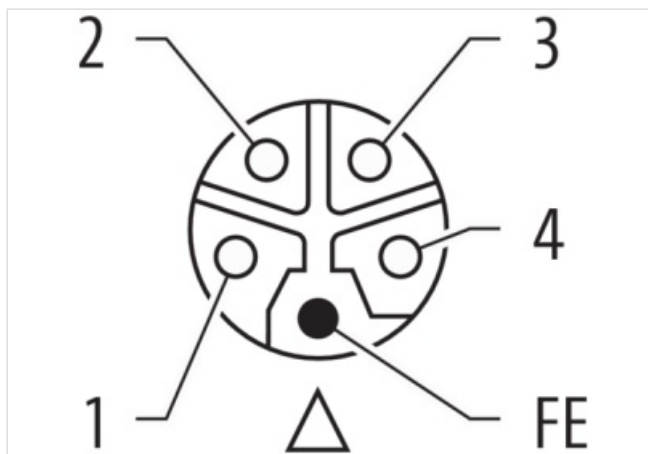
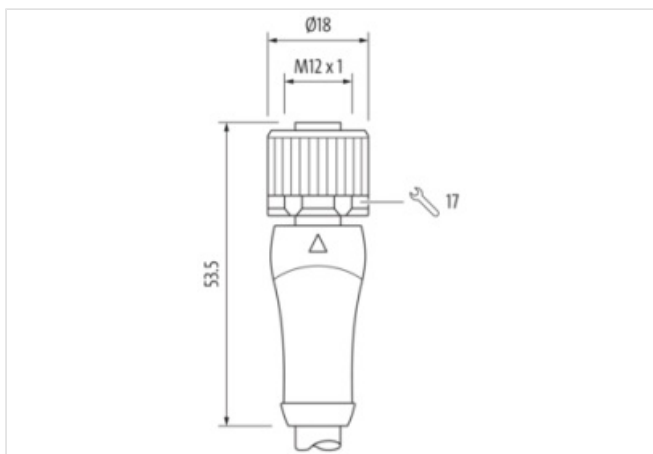
PUR 5x1.5 gy 0.5m

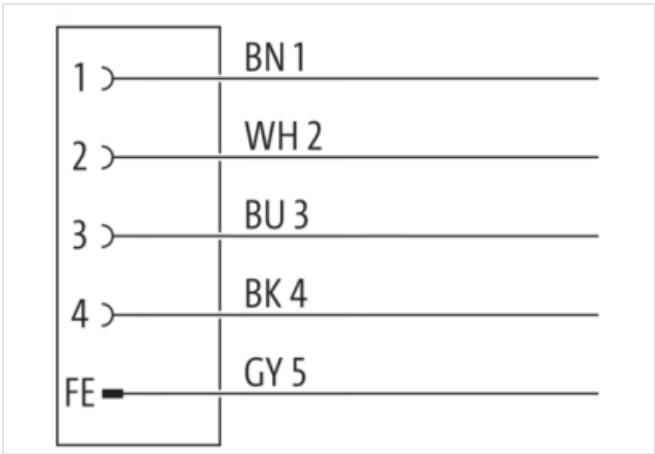
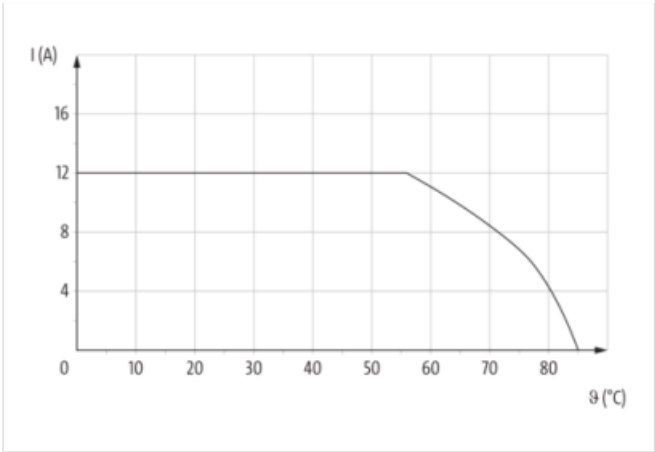
Art.No.: 7000-P4221-9660050

Weight: 0.104

Country of origin: DE

Model designation: MSWBLL0-U966_0.5

[Link to Product](#)**Illustration**



Product may differ from Image



Header	
Cable length	0.5 m
Side 1	
Family construction form	M12P
No. of poles	5
Coding	L
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW17
Cable outlet	straight
suitable for corrugated tube (internal Ø)	12 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP65
Side 2	
Family construction form	free cable end

Stripping length (jacket) 100 mm

Commercial data

URL Webshop	https://shop.murrelektronik.com/7000-P4221-9660050
GTIN	4048879763783
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060327
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
EAN	4048879763783

Electrical data | Supply

Operating voltage DC max.	63 V
Current operating per contact max.	12 A

Diagnostics

Status indication LED	no
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Installation | Connection

Width across flats	SW17
Mating cycles min.	100

Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67, IP65
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1.5 kV
Material group (IEC 60664-1)	I

Mechanical data | Material data

Material housing	PUR
Material screw connection	Brass
Coating of fitting	nickel plated
Material gasket	FKM

Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-30 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality

Important installation notes

Note on bending radius

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Note on strain relief

Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

Conformity

Product standard

IEC 61076-2-111

Installation | Cable

Amount stranding	1
Stranding	Wires
Filler	yes
Wire arrangement	grey 5, black 4, blue 3, white 2, brown 1
Cable weight	147.4
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	2.4 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	85
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Printing color of wire insulation	white (isolation blue), white (isolation brown), white (isolation black), black (white isolation), white (gray isolation)
Printing spacing of wire insulation	10 mm
Amount strands (wire)	30
Diameter of single wires	0.25 mm
Conductor crosssection (wire)	1.5 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Outer-diameter (jacket)	8.7 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	85
Freedom from ingredients (jacket)	CFC-free, cadmium-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Material inner jacket	PVC
Color (inner jacket)	gray
Conductor resistance (wire)	13.3 Ω/km @ 20 °C
Nominal voltage AC max.	600 V
Withstand voltage (wire - wire)	4 kV @ 60 s
Withstand voltage (wire - jacket)	4 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	13.5 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Bending radius (dynamic)	10 × Outer diameter