

M12 Power female 0° L-cod. with cable

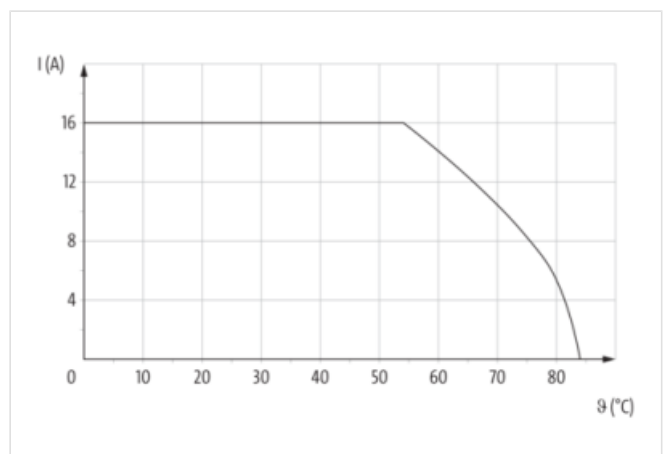
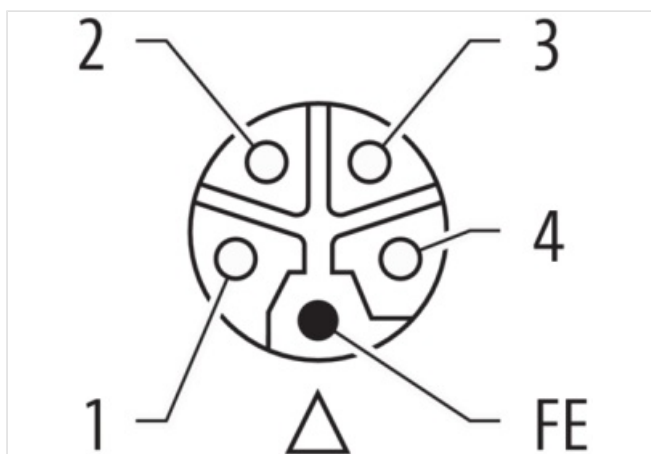
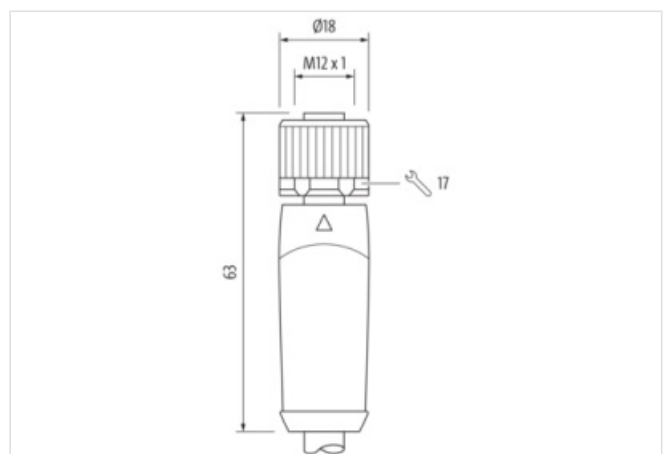
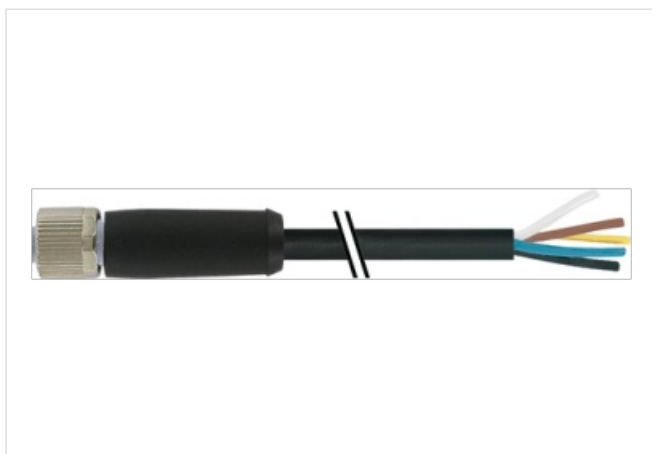
PUR 5x2.5 bk UL/CSA+drag ch. 25m

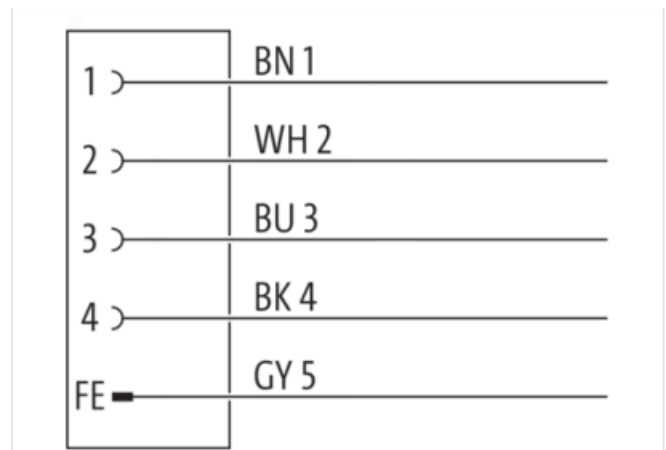
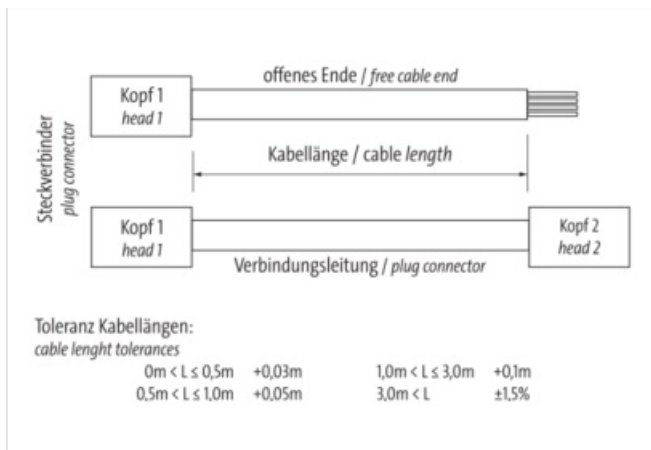
Art.No.: 7000-P4221-P342500

Weight: 5.596

Country of origin: DE

Model designation: MSWBLL0-UP34_25.0

Link to Product**Illustration**



Product may differ from Image

**Header**

Cable length 25.0 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)	16.4 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-P342500
GTIN	4065909085356
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
ETIM-6.0	EC001855

ETIM-7.0	EC001855
ETIM-8.0	EC001855
EAN	4065909085356
Electrical data Supply	
Operating voltage DC max.	63 V
Current operating per contact max.	16 A
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
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	
Cable identification	P34
Cable Type	3
Function cable	Power
Amount stranding	1
Stranding	Wires
Filler	yes
Wire arrangement	grey 5, black 4, blue 3, white 2, brown 1
Cable weight	222.2
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	2.85 mm
Outer diameter tolerance core insulation	± 0.1 mm
Shore hardness wire insulation	60
Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Printing color of wire insulation	white (isolation blue), white (isolation brown), white (isolation black), black (white isolation), white (gray isolation)
Amount strands (wire)	140
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	2.5 mm²

Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	9.5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Electrical resistance line constant wire	7.98 Ω/km @ 20 °C
Nominal voltage AC max.	1,000 V
AC withstand voltage (wire - wire)	10 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	10 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	19.5 A
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3.3 m/s @ 25 °C
Acceleration (C-track)	5 m/s² @ 25 °C
No. of torsion cycles	5 Mio.
Torsion stress	180 °/m
Torsion speed	35 cycles/min