

Data sheet

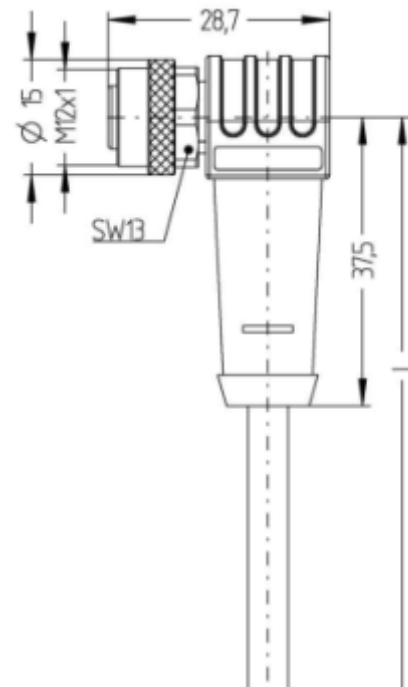
Connector socket

Type: socket M12, 8-pole, right-angled, with 5m PUR-cable
 8x0,25, open cable head

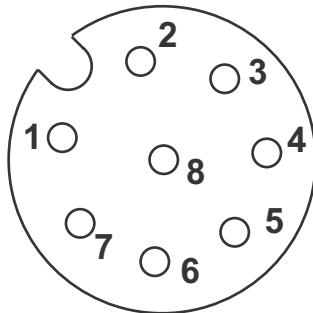
part no.: G113180



Drawing



Pole image



Technical data

Plug-type connector:	clutch, M12, right-angled
Number of poles:	8
Pin assignment:	1 WH, 2 BN, 3 GN, 4 YE, 5 GY, 6 PK, 7 BU, 8 RD
Length:	5m
Encoding:	A
Rated voltage:	30V
Current capacity per pin (at 40°C):	2A
Insulation resistance:	$\geq 10^8 \text{ Ohm}$
Contact resistance:	$\leq 5 \text{ mOhm}$
Ambient temperature:	-30°C...+90°C
Material contacts:	metal, CuZn, gold plated
Material contact support:	plastic, TPU, BK
Material grip:	plastic, TPU, BK
Material warp:	metal, CuZn, nickel-plated
Material seal (clutch):	FPM/FKM
Screening:	yes, 360°
Standardize standards:	IEC 61076-2-101
Protection rating (mounted):	IP65, IP67, IP68
Mechanical endurance:	>100 mating cycles
End assemblies:	open cable
Pollution degree:	3
Outer diameter:	6,30mm
Material cable:	PUR

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**Type: socket M12, 8-pole, right-angled, with 5m PUR-cable
8x0,25, open cable head**

part no.: G113180

Sheath color:	black, similar to RAL9005
Core cross-section:	8 x 0,25 mm ²
Material wire insulation:	PP
Wire color:	WH, BN, GN, YE, GY, PK, BU, RD
Strand structure:	32 x 0,10mm
Bending radius (fixed):	5 x Ø- cable
Bending radius (moved):	10 x Ø-cable
Temperature range (moved):	-30°C to 90°C
Temperature range (fixed):	-40°C to 90°C
Temperature range (drag chain):	-25°C to 60°C
Screening:	yes
Halogen free:	yes
Nominal voltage cable:	<= 300V
Special properties:	flame-retardant, sea water resistant, recyclable, LABS-free, RoHS-compliant, acid and alkali resistant, ozone resistant, UV-resistant, hydrolysis resistant, usable in drag chain, torsion resistant, non -halogen, silicone-free, oil-resistant