.ESCHA

Single-ended cordset, Automation Line, M8x1
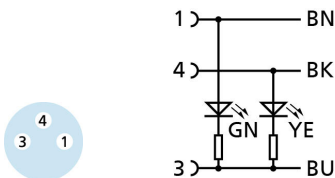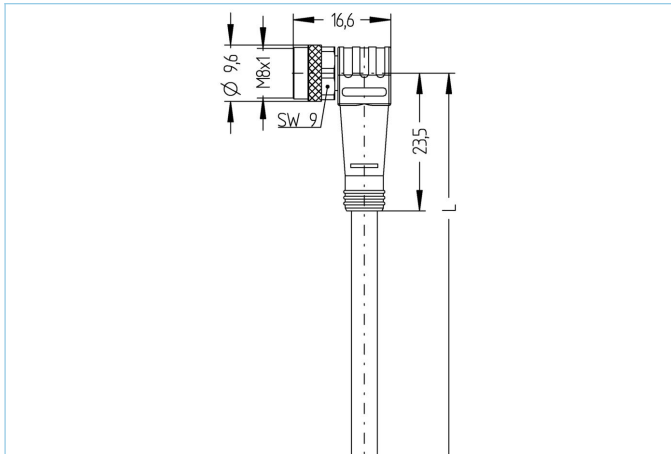
Product data

Item description	AL-SWKP3P2-2/S7400
Item-No.	8059125
Length	2m
Customs tariff-No.	85444290
Step-File	AL-SWKP3P2.stp
EAN	4047106146801

Technical data

Connector	female, M8x1, angled, with LED
Number of pins	3
Pin assignment	1 BN, 3 BU, 4 BK
Rated voltage	30V
Current load (at 40°C)	3A
Insulation resistance	$\geq 10^8 \Omega$
Resistance	$\leq 5m\Omega$
Ambient temperature product	-30°C...+90°C
Circuit logic	pnp
Signal status-indicator	LED YE
Operating voltage-indicator	LED GN
Contact material	Metal, CuSn, gold-plated
Contact-carrier material	Plastic, TPU, BK
Grip body material	Plastic, TPU, transparent
Coupling nut material	Metal, CuZn, nickel-plated
Sealing (female) material	FPM/FKM
Standards	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Cable end assembly	open cable end
Degree of pollution	3

Cable	S7400, PUR, robotic, UL

Flexible, silicone- and halogen free control cable with high mechanical strength. Due to its outstanding properties in drag-chain adaption, torsionre-sistance and weld-field immunity, it is very well suited for the flexible applications in robotics, handling- and assembly technology as well as machine tools. The cable meets the UL and CSA (UL10493/20549; cULus) requirements.

Outer diameter of jacket	4,60 mm
Cable-jacket material	PUR
Jacket color	orange, similar RAL2003
Wire cross-section	3 x 0.25 mm²
Wire insulation material	PP
Wire colors	BN, BU, BK
Conductor structure	32 x 0.10 mm
Bending radius (fixed)	5 x Ø-cable
Bending radius (repeated)	10 x Ø-cable
Temperature range (repeated)	-30°C...+90°C
Temperature range (fixed)	-40°C...+90°C
Temperature range (drag chain)	-25°C…+60°C
Drag chain-application	≥ 10 Mio. cycles, max. 5m/s²
Halogen-free	Yes
Torsion	+/-360°/m, ≥ 10 Mio. cycles
Rated voltage cable	≤300 V
Special features	flame retardant, seawater resistant, recyclable, LABS free, RoHs compliant, acid- and alkali resistant, ozone resistant, UV resistant, hydrolysis proof, drag chain-adapted, torsion resistant, welding sparks resistent, halogen free, silicone free, oil resistant

Accessories	Web-Link
Mounting-set, M8x1	https://www.escha.net/en/search?sSearch=8047663
Torque-wrench set	https://www.escha.net/en/search?sSearch=8055431
Marking rings Ø 9mm	https://www.escha.net/en/products/accessoires/marking-rings/
Cable Stripping Tool	https://www.escha.net/en/search?sSearch=8066215
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Classification	
eCl@ss 6.0	27279218
eCl@ss 7.0	27279218
eCl@ss 8.0	27279218
eCl@ss 9.0	27060311
ETIM 5.0	EC001855
ETIM 6.0	EC001855