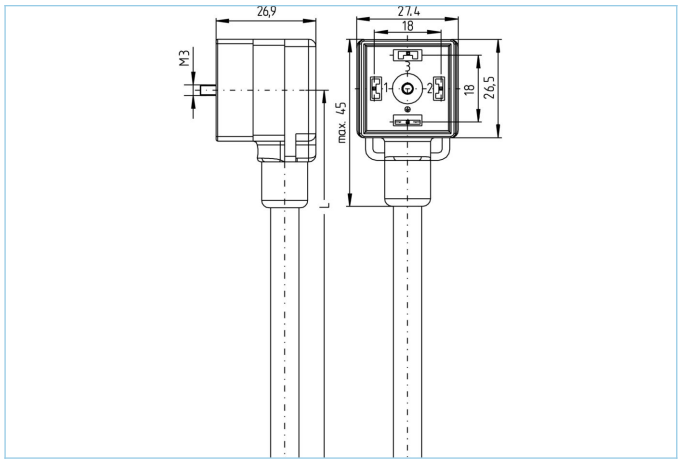
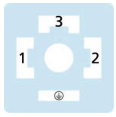
Valve connector, housing style A, 3+PE







1 — BN
2 — BU
3 — BK
⏚ — GN/YE

Product data	
Item description	TA31-230.0-2/S370
Item-No.	8080048
Length	2m
Customs tariff-No.	85444290
EAN	4047106227692

Technical data	
Connector	female, angled, Valve A
Number of pins	3+PE
Pin assignment	1 BN, 2 BU, 3 BK, PE: GN/YE
Rated voltage	230$V_{AC/DC}$
Current load per pin (at 40°C)	10A
Insulation resistance	≥$10^8\Omega$
Ambient temperature product	-30°C...+90°C
Contact material	Metal, CuZn, silver-plated
Contact-carrier material	Plastic, PA, BK
Grip body material	Plastic, TPU, BK, translucent
Sealing (female) material	Plastic, TPU
Protection circuit	without
Fixing screw	Metal, CuZn, nickel-plated
Housing style	A
Standards	DIN EN 175301-803
Degree of protection (mounted)	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3
Style	angled

The information contained in this data sheet was compiled with the utmost care. The liability for the correctness, completeness and timelines is limited to gross negligence.

Cable web	PUR, UL, S370

Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

Outer diameter of jacket	6.4 +/- 0.2 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	4 x 0.75 mm²
Wire insulation material	PP
Wire colors	BN, BK, BU, GNYE
Wire structure	42 x 0,15 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	> 2 Mio. cycles
Halogen-free	Yes
Torsion	+/-180°/m, > 500.000 cycles
Rated voltage cable	≤300 V
Special features	flame retardant, halogen free, hydrolysis proof, LABS free, oil resistant, ozone resistant, recyclable, RoHs compliant, acid- and alkali resistant, drag chain-adapted, welding sparks resistant, seawater resistant, silicone free, torsion resistant, UV resistant

Accessories

Labels, Valve connector
https://www.escha.net/en/products/standard/accessories-for-connectivity/8047109