
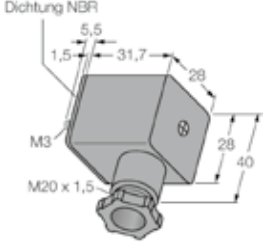
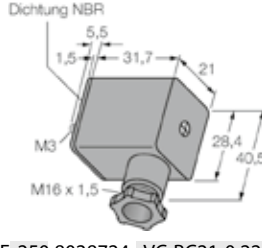
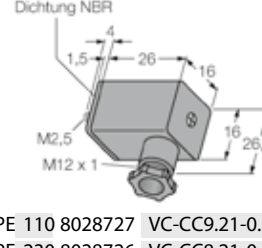
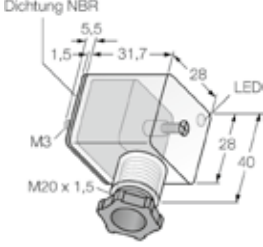
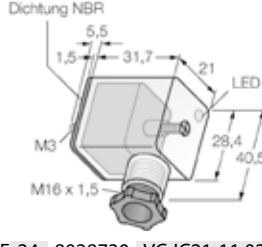
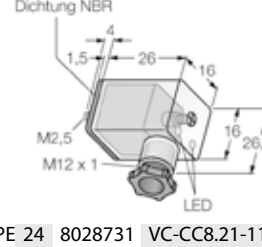
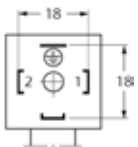


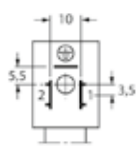
Field-Wireable Valve Connectors

	0.220-K				11.024-K			
	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
								
0.220-K	Design A	Design B + BI	Design C + CI					
								
	2+PE 250 8028723 VC-AC21-0.220-K 3+PE 250 8031583 VC-AC31-0.220-K	2+PE 250 8028724 VC-BC21-0.220-K 2+PE 250 8028725 VC-IC21-0.220-K	2+PE 110 8028727 VC-CC9.21-0.220-K 2+PE 230 8028726 VC-CC8.21-0.220-K					
11.024-K								
	2+PE 24 8028728 VC-AC21-11.024-K 3+PE 24 8031584 VC-AC31-11.024-K	2+PE 24 8028730 VC-IC21-11.024-K 2+PE 24 8028729 VC-BC21-11.024-K	2+PE 24 8028731 VC-CC8.21-11.024-K 2+PE 24 8028732 VC-CC9.21-11.024-K					
Connection mode	Screw/clamp connection		Screw/clamp connection		Screw/clamp connection			
Contacts	Metal		Metal		Metal			
Contact carriers	PA6 GF30, Black		PA6 GF30, Black		PA6 GF30, Black			
Protection class	IP65		IP65		IP65			
Current load	10 A		10 A		5 A			
Terminal cross-section	0.25...1 mm ²		0.25...1 mm ²		0.14...0.34 mm ²			
Cable external diameter	min. 6...8 mm		min. 6...8 mm		min. 4...6 mm			
Storage temperature	-25...+80 °C		-25...+80 °C		-25...+80 °C			

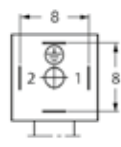
Design A, 2-pin + PE



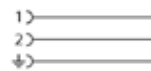
Design B



Design C



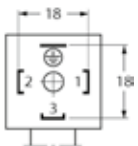
0.220-K, 2-pin + PE



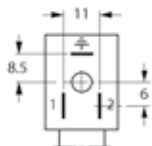
0.220-K, 3-pin + PE



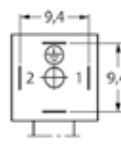
Design A, 3-pin + PE



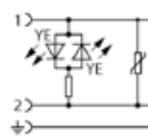
Design BI



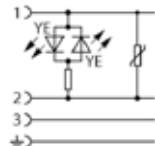
Design CI



11.024-K, 2-pin + PE



11.024-K, 3-pin + PE

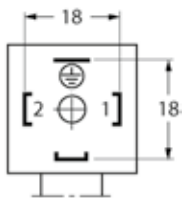


PUR cable, black

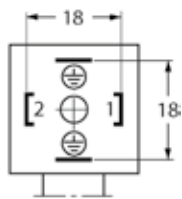
- Design according to DIN EN 175301-803
- Qualified for drag chain use and resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Flame-retardant



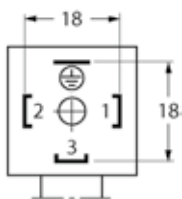
Valve connector (VAS02)



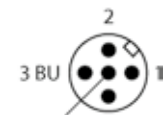
Valve connector (VAS22)



Valve connector (VAS04)



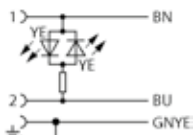
M12 x 1 male connector (5.31T)



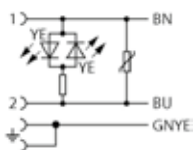
VAS02-A80E



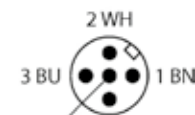
VAS22-L80E



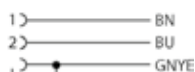
VAS22-E80E



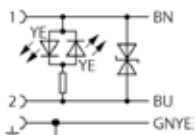
M12 x 1 male connector (5T)



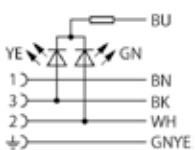
VAS22-A80E



VAS22-S80E



VAS04-K81E

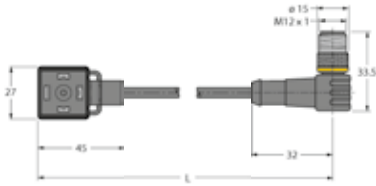


Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-30...+90 °C
Drag chain operation	-25...+60 °C



	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606656	VAS02-A80E-2/TXL
	2+PE	230	3 x 0.75	5	6606657	VAS02-A80E-5/TXL
	2+PE	230	3 x 0.75	10	6606658	VAS02-A80E-10/TXL
	2+PE, PE bridged	230	3 x 0.75	2	6606593	VAS22-A80E-2/TXL
	2+PE, PE bridged	230	3 x 0.75	5	6606572	VAS22-A80E-5/TXL
	2+PE, PE bridged	230	3 x 0.75	10	6606573	VAS22-A80E-10/TXL
	2+PE, PE bridged	24	3 x 0.75	2	6606584	VAS22-L80E-2/TXL
	2+PE, PE bridged	24	3 x 0.75	5	6606601	VAS22-L80E-5/TXL
	2+PE, PE bridged	24	3 x 0.75	10	6606586	VAS22-L80E-10/TXL
	2+PE, PE bridged	24	3 x 0.75	2	6606503	VAS22-S80E-2/TXL
	2+PE, PE bridged	24	3 x 0.75	5	6606504	VAS22-S80E-5/TXL
	2+PE, PE bridged	24	3 x 0.75	10	6606505	VAS22-S80E-10/TXL
	2+PE, PE bridged	230	3 x 0.75	2	6606768	VAS22-E80E-2/TXL
	2+PE, PE bridged	230	3 x 0.75	5	6606682	VAS22-E80E-5/TXL
2+PE, PE bridged	230	3 x 0.75	10	6606769	VAS22-E80E-10/TXL	
	3+PE	24	4 x 0.75	2	6606770	VAS04-K81E-2/TXL
	3+PE	24	4 x 0.75	5	6606771	VAS04-K81E-5/TXL
	3+PE	24	4 x 0.75	10	6606693	VAS04-K81E-10/TXL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606506	VAS22-S80E-0.3-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606507	VAS22-S80E-0.6-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1	6606508	VAS22-S80E-1-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606511	VAS22-S80E-1.5-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	2	6606509	VAS22-S80E-2-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	5	6606510	VAS22-S80E-5-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606792	VAS22-S80E-0.3-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606793	VAS22-S80E-0.6-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1	6606794	VAS22-S80E-1-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606795	VAS22-S80E-1.5-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	2	6606796	VAS22-S80E-2-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	5	6606797	VAS22-S80E-5-WSC5.31T/TXL
	3+PE	24	4 x 0.34	0.3	6606568	VAS04-K81E-0.3-RSC5T/TXL
	3+PE	24	4 x 0.34	0.6	6606726	VAS04-K81E-0.6-RSC5T/TXL
	3+PE	24	4 x 0.34	1	6606772	VAS04-K81E-1-RSC5T/TXL
	3+PE	24	4 x 0.34	1.5	6606773	VAS04-K81E-1.5-RSC5T/TXL
	3+PE	24	4 x 0.34	2	6606774	VAS04-K81E-2-RSC5T/TXL
	3+PE	24	4 x 0.34	5	6606775	VAS04-K81E-5-RSC5T/TXL

Connection and Extension Cables – Valve Connectors – Design A



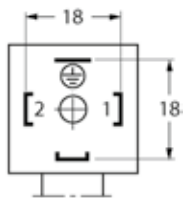
Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
3+PE	24	4 x 0.34	0.3	6606798	VAS04-K81E-0.3-WSC5T/TXL
3+PE	24	4 x 0.34	0.6	6606799	VAS04-K81E-0.6-WSC5T/TXL
3+PE	24	4 x 0.34	1	6606800	VAS04-K81E-1-WSC5T/TXL
3+PE	24	4 x 0.34	1.5	6606801	VAS04-K81E-1.5-WSC5T/TXL
3+PE	24	4 x 0.34	2	6606802	VAS04-K81E-2-WSC5T/TXL
3+PE	24	4 x 0.34	5	6606803	VAS04-K81E-5-WSC5T/TXL

PVC Cable, black

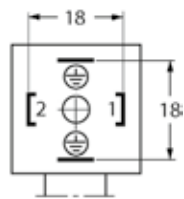
- Design according to DIN EN 175301-803
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- LABS free
- Flame-retardant



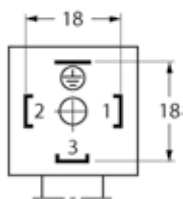
Valve connector (VAS02)



Valve connector (VAS22)



Valve connector (VAS04)



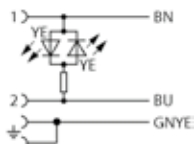
M12 x 1 male connector (5.31T)



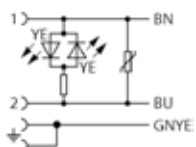
VAS02-A80E



VAS22-L80E



VAS22-E80E



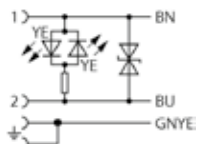
M12 x 1 male connector (5T)



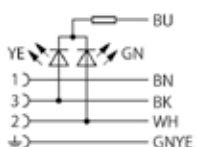
VAS22-A80E



VAS22-S80E



VAS04-K81E

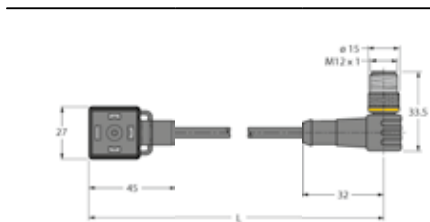


Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Forward resistance	max. 57 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C



	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606789	VAS02-A80E-2/TEL
	2+PE	230	3 x 0.75	5	6606790	VAS02-A80E-5/TEL
	2+PE	230	3 x 0.75	10	6606791	VAS02-A80E-10/TEL
	2+PE, PE bridged	230	3 x 0.75	2	6606776	VAS22-A80E-2/TEL
	2+PE, PE bridged	230	3 x 0.75	5	6606777	VAS22-A80E-5/TEL
	2+PE, PE bridged	230	3 x 0.75	10	6606778	VAS22-A80E-10/TEL
	2+PE, PE bridged	24	3 x 0.75	2	6606779	VAS22-L80E-2/TEL
	2+PE, PE bridged	24	3 x 0.75	5	6606780	VAS22-L80E-5/TEL
	2+PE, PE bridged	24	3 x 0.75	10	6606781	VAS22-L80E-10/TEL
	2+PE, PE bridged	24	3 x 0.75	2	6606782	VAS22-S80E-2/TEL
	2+PE, PE bridged	24	3 x 0.75	5	6606668	VAS22-S80E-5/TEL
	2+PE, PE bridged	24	3 x 0.75	10	6606669	VAS22-S80E-10/TEL
	2+PE, PE bridged	230	3 x 0.75	2	6606713	VAS22-E80E-2/TEL
	2+PE, PE bridged	230	3 x 0.75	5	6606714	VAS22-E80E-5/TEL
	2+PE, PE bridged	230	3 x 0.75	10	6606715	VAS22-E80E-10/TEL
	3+PE	24	4 x 0.75	2	6606745	VAS04-K81E-2/TEL
	3+PE	24	4 x 0.75	5	6606746	VAS04-K81E-5/TEL
	3+PE	24	4 x 0.75	10	6606747	VAS04-K81E-10/TEL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606783	VAS22-S80E-0.3-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606784	VAS22-S80E-0.6-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1	6606785	VAS22-S80E-1-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606786	VAS22-S80E-1.5-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	2	6606787	VAS22-S80E-2-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	5	6606788	VAS22-S80E-5-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606804	VAS22-S80E-0.3-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606805	VAS22-S80E-0.6-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1	6606806	VAS22-S80E-1-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606807	VAS22-S80E-1.5-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	2	6606808	VAS22-S80E-2-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	5	6606809	VAS22-S80E-5-WSC5.31T/TEL
	3+PE	24	4 x 0.34	0.3	6606748	VAS04-K81E-0.3-RSC5T/TEL
	3+PE	24	4 x 0.34	0.6	6606749	VAS04-K81E-0.6-RSC5T/TEL
	3+PE	24	4 x 0.34	1	6606750	VAS04-K81E-1-RSC5T/TEL
	3+PE	24	4 x 0.34	1.5	6606751	VAS04-K81E-1.5-RSC5T/TEL
	3+PE	24	4 x 0.34	2	6606752	VAS04-K81E-2-RSC5T/TEL
	3+PE	24	4 x 0.34	5	6606753	VAS04-K81E-5-RSC5T/TEL

Connection and Extension Cables – Valve Connectors – Design A



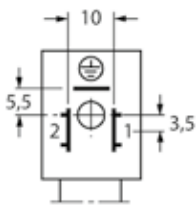
Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
3+PE	24	4 x 0.34	0.3	6606810	VAS04-K81E-0.3-WSC5T/TEL
3+PE	24	4 x 0.34	0.6	6606811	VAS04-K81E-0.6-WSC5T/TEL
3+PE	24	4 x 0.34	1	6606812	VAS04-K81E-1-WSC5T/TEL
3+PE	24	4 x 0.34	1.5	6606813	VAS04-K81E-1.5-WSC5T/TEL
3+PE	24	4 x 0.34	2	6606814	VAS04-K81E-2-WSC5T/TEL
3+PE	24	4 x 0.34	5	6606815	VAS04-K81E-5-WSC5T/TEL

PUR cable, black

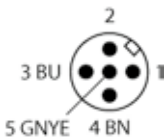
- Design according to DIN EN 175301-803
- Qualified for drag chain use and resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Flame-retardant



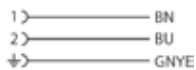
Valve connector (VBS02)



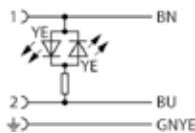
M12 x 1 male connector (5.31T)



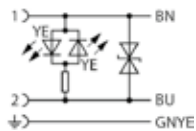
A80E



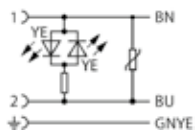
L80E



S80E



E80E



Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-30...+90 °C
Drag chain operation	-25...+60 °C



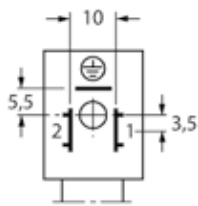
	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606816	VBS02-A80E-2/TXL
	2+PE	230	3 x 0.75	5	6606817	VBS02-A80E-5/TXL
	2+PE	230	3 x 0.75	10	6606818	VBS02-A80E-10/TXL
	2+PE	24	3 x 0.75	2	6606822	VBS02-L80E-2/TXL
	2+PE	24	3 x 0.75	5	6606823	VBS02-L80E-5/TXL
	2+PE	24	3 x 0.75	10	6606824	VBS02-L80E-10/TXL
	2+PE	24	3 x 0.75	2	6606512	VBS02-S80E-2/TXL
	2+PE	24	3 x 0.75	5	6606513	VBS02-S80E-5/TXL
	2+PE	24	3 x 0.75	10	6606514	VBS02-S80E-10/TXL
	2+PE	230	3 x 0.75	2	6606819	VBS02-E80E-2/TXL
	2+PE	230	3 x 0.75	5	6606820	VBS02-E80E-5/TXL
	2+PE	230	3 x 0.75	10	6606821	VBS02-E80E-10/TXL
		2+PE	24	3 x 0.34	0.3	6606515
2+PE		24	3 x 0.34	0.6	6606516	VBS02-S80E-0.6-RSC5.31T/TXL
2+PE		24	3 x 0.34	1	6606517	VBS02-S80E-1-RSC5.31T/TXL
2+PE		24	3 x 0.34	2	6606518	VBS02-S80E-2-RSC5.31T/TXL
2+PE		24	3 x 0.34	5	6606519	VBS02-S80E-5-RSC5.31T/TXL
		2+PE	24	3 x 0.34	0.3	6606574
	2+PE	24	3 x 0.34	0.6	6606575	VBS02-S80E-0.6-WSC5.31T/TXL
	2+PE	24	3 x 0.34	1	6606576	VBS02-S80E-1-WSC5.31T/TXL
	2+PE	24	3 x 0.34	1.5	6606577	VBS02-S80E-1.5-WSC5.31T/TXL
	2+PE	24	3 x 0.34	2	6606578	VBS02-S80E-2-WSC5.31T/TXL
	2+PE	24	3 x 0.34	5	6606579	VBS02-S80E-5-WSC5.31T/TXL

PVC Cable, black

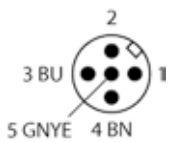
- Design according to DIN EN 175301-803
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- LABS free
- Flame-retardant



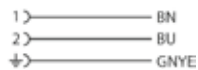
Valve connector (VBS02)



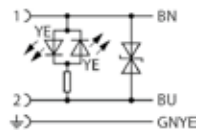
M12 x 1 male connector (5.31T)



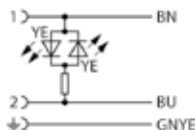
A80E



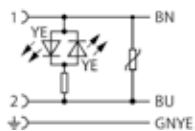
S80E



L80E



E80E



Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Forward resistance	max. 57 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C



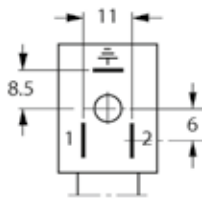
	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606831	VBS02-A80E-2/TEL
	2+PE	230	3 x 0.75	5	6606832	VBS02-A80E-5/TEL
	2+PE	230	3 x 0.75	10	6606833	VBS02-A80E-10/TEL
	2+PE	24	3 x 0.75	2	6606837	VBS02-L80E-2/TEL
	2+PE	24	3 x 0.75	5	6606838	VBS02-L80E-5/TEL
	2+PE	24	3 x 0.75	10	6606839	VBS02-L80E-10/TEL
	2+PE	24	3 x 0.75	2	6606727	VBS02-S80E-2/TEL
	2+PE	24	3 x 0.75	5	6606728	VBS02-S80E-5/TEL
	2+PE	24	3 x 0.75	10	6606729	VBS02-S80E-10/TEL
	2+PE	230	3 x 0.75	2	6606834	VBS02-E80E-2/TEL
	2+PE	230	3 x 0.75	5	6606835	VBS02-E80E-5/TEL
	2+PE	230	3 x 0.75	10	6606836	VBS02-E80E-10/TEL
		2+PE	24	3 x 0.34	0.3	6606730
2+PE		24	3 x 0.34	0.6	6606731	VBS02-S80E-0.6-RSC5.31T/TEL
2+PE		24	3 x 0.34	1	6606732	VBS02-S80E-1-RSC5.31T/TEL
2+PE		24	3 x 0.34	1.5	6606733	VBS02-S80E-1.5-RSC5.31T/TEL
2+PE		24	3 x 0.34	2	6606734	VBS02-S80E-2-RSC5.31T/TEL
2+PE		24	3 x 0.34	5	6606735	VBS02-S80E-5-RSC5.31T/TEL
		2+PE	24	3 x 0.34	0.3	6606840
	2+PE	24	3 x 0.34	0.6	6606841	VBS02-S80E-0.6-WSC5.31T/TEL
	2+PE	24	3 x 0.34	1	6606842	VBS02-S80E-1-WSC5.31T/TEL
	2+PE	24	3 x 0.34	1.5	6606843	VBS02-S80E-1.5-WSC5.31T/TEL
	2+PE	24	3 x 0.34	2	6606844	VBS02-S80E-2-WSC5.31T/TEL
	2+PE	24	3 x 0.34	5	6606845	VBS02-S80E-5-WSC5.31T/TEL

PUR cable, black

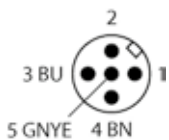
- Design according to DIN EN 175301-803
- Qualified for drag chain use and resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Flame-retardant



Valve connector (VIS02)



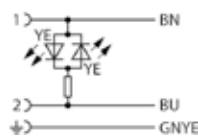
M12 x 1 male connector (5.31T)



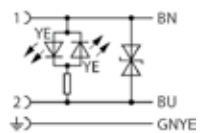
A80E



L80E



S80E



Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-30...+90 °C
Drag chain operation	-25...+60 °C



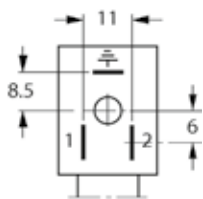
	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606846	VIS02-A80E-2/TXL
	2+PE	230	3 x 0.75	5	6606847	VIS02-A80E-5/TXL
	2+PE	230	3 x 0.75	10	6606848	VIS02-A80E-10/TXL
	2+PE	24	3 x 0.75	2	6606849	VIS02-L80E-2/TXL
	2+PE	24	3 x 0.75	5	6606850	VIS02-L80E-5/TXL
	2+PE	24	3 x 0.75	10	6606851	VIS02-L80E-10/TXL
	2+PE	24	3 x 0.75	2	6606520	VIS02-S80E-2/TXL
	2+PE	24	3 x 0.75	5	6606521	VIS02-S80E-5/TXL
	2+PE	24	3 x 0.75	10	6606522	VIS02-S80E-10/TXL
	2+PE	24	3 x 0.34	0.3	6606523	VIS02-S80E-0.3-RSC5.31T/TXL
	2+PE	24	3 x 0.34	0.6	6606524	VIS02-S80E-0.6-RSC5.31T/TXL
	2+PE	24	3 x 0.34	1	6606525	VIS02-S80E-1-RSC5.31T/TXL
	2+PE	24	3 x 0.34	1.5	6606528	VIS02-S80E-1.5-RSC5.31T/TXL
	2+PE	24	3 x 0.34	2	6606526	VIS02-S80E-2-RSC5.31T/TXL
	2+PE	24	3 x 0.34	5	6606527	VIS02-S80E-5-RSC5.31T/TXL
	2+PE	24	3 x 0.34	0.3	6606825	VIS02-S80E-0.3-WSC5.31T/TXL
	2+PE	24	3 x 0.34	0.6	6606826	VIS02-S80E-0.6-WSC5.31T/TXL
	2+PE	24	3 x 0.34	1	6606827	VIS02-S80E-1-WSC5.31T/TXL
	2+PE	24	3 x 0.34	1.5	6606828	VIS02-S80E-1.5-WSC5.31T/TXL
	2+PE	24	3 x 0.34	2	6606829	VIS02-S80E-2-WSC5.31T/TXL
	2+PE	24	3 x 0.34	5	6606830	VIS02-S80E-5-WSC5.31T/TXL

PVC Cable, black

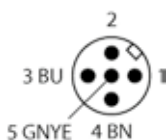
- Design according to DIN EN 175301-803
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- LABS free
- Flame-retardant



Valve connector (VIS02)



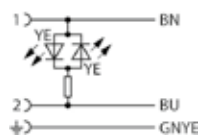
M12 x 1 male connector (5.31T)



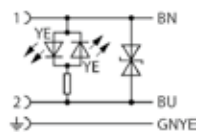
A80E



L80E



S80E



Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Forward resistance	max. 57 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C



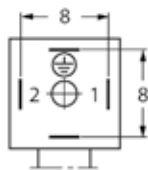
	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606852	VIS02-A80E-2/TEL
	2+PE	230	3 x 0.75	5	6606853	VIS02-A80E-5/TEL
	2+PE	230	3 x 0.75	10	6606854	VIS02-A80E-10/TEL
	2+PE	24	3 x 0.75	2	6606855	VIS02-L80E-2/TEL
	2+PE	24	3 x 0.75	5	6606856	VIS02-L80E-5/TEL
	2+PE	24	3 x 0.75	10	6606857	VIS02-L80E-10/TEL
	2+PE	24	3 x 0.75	2	6606858	VIS02-S80E-2/TEL
	2+PE	24	3 x 0.75	5	6606859	VIS02-S80E-5/TEL
	2+PE	24	3 x 0.75	10	6606692	VIS02-S80E-10/TEL
	2+PE	24	3 x 0.34	0.3	6606860	VIS02-S80E-0.3-RSC5.31T/TEL
	2+PE	24	3 x 0.34	0.6	6606861	VIS02-S80E-0.6-RSC5.31T/TEL
	2+PE	24	3 x 0.34	1	6606862	VIS02-S80E-1-RSC5.31T/TEL
	2+PE	24	3 x 0.34	1.5	6606863	VIS02-S80E-1.5-RSC5.31T/TEL
	2+PE	24	3 x 0.34	2	6606864	VIS02-S80E-2-RSC5.31T/TEL
	2+PE	24	3 x 0.34	5	6606865	VIS02-S80E-5-RSC5.31T/TEL
	2+PE	24	3 x 0.34	0.3	6606866	VIS02-S80E-0.3-WSC5.31T/TEL
	2+PE	24	3 x 0.34	0.6	6606867	VIS02-S80E-0.6-WSC5.31T/TEL
	2+PE	24	3 x 0.34	1	6606868	VIS02-S80E-1-WSC5.31T/TEL
	2+PE	24	3 x 0.34	1.5	6606869	VIS02-S80E-1.5-WSC5.31T/TEL
	2+PE	24	3 x 0.34	2	6606870	VIS02-S80E-2-WSC5.31T/TEL
	2+PE	24	3 x 0.34	5	6606871	VIS02-S80E-5-WSC5.31T/TEL

PUR cable, black

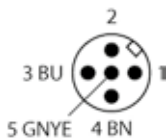
- Design according to DIN EN 175301-803
- Qualified for drag chain use and resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Flame-retardant



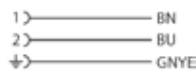
Valve connector (VC8S02)



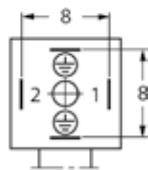
M12 x 1 male connector (5.31T)



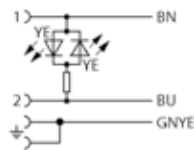
A80E



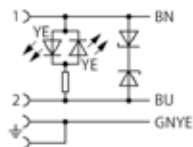
Valve connector (VC8S22)



L80E



T80E



Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PUR (Black)
Core insulation	PP
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁹ Ω
Test voltage	2000 V
Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
Stationary usage	-50...+80 °C
Non-stationary usage	-30...+90 °C
Drag chain operation	-25...+60 °C



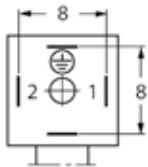
	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606683	VC8S02-A80E-2/TXL
	2+PE	230	3 x 0.75	5	6606651	VC8S02-A80E-5/TXL
	2+PE	230	3 x 0.75	10	6606872	VC8S02-A80E-10/TXL
	2+PE, PE bridged	24	3 x 0.75	2	6606873	VC8S22-L80E-2/TXL
	2+PE, PE bridged	24	3 x 0.75	5	6606874	VC8S22-L80E-5/TXL
	2+PE, PE bridged	24	3 x 0.75	10	6606875	VC8S22-L80E-10/TXL
	2+PE, PE bridged	24	3 x 0.75	2	6606529	VC8S22-T80E-2/TXL
	2+PE, PE bridged	24	3 x 0.75	5	6606530	VC8S22-T80E-5/TXL
	2+PE, PE bridged	24	3 x 0.75	10	6606531	VC8S22-T80E-10/TXL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606532	VC8S22-T80E-0.3-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606533	VC8S22-T80E-0.6-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1	6606534	VC8S22-T80E-1-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606537	VC8S22-T80E-1.5-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	2	6606535	VC8S22-T80E-2-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	5	6606536	VC8S22-T80E-5-RSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606876	VC8S22-T80E-0.3-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606877	VC8S22-T80E-0.6-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1	6606878	VC8S22-T80E-1-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606879	VC8S22-T80E-1.5-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	2	6606880	VC8S22-T80E-2-WSC5.31T/TXL
	2+PE, PE bridged	24	3 x 0.34	5	6606881	VC8S22-T80E-5-WSC5.31T/TXL

PVC Cable, black

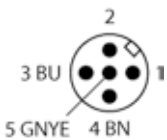
- Design according to DIN EN 175301-803
- Resistant to acids and alkaline solutions
- Resistant to chemicals and oils
- LABS free
- Flame-retardant



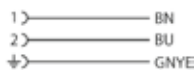
Valve connector (VC8502)



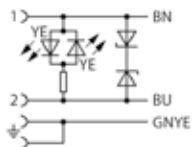
M12 x 1 male connector (5.31T)



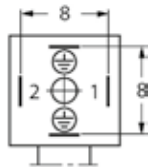
A80E



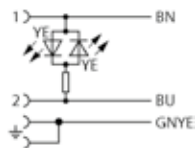
T80E



Valve connector (VC8522)



L80E



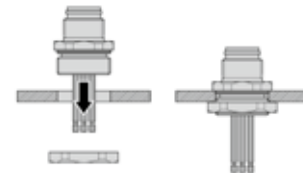
Valve connector	
Grip	Plastic, TPU, Black/Translucent
Contacts	Metal, CuSn, Silver-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, TPU
Protection class	IP67, IP69K (mounted)
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
M12 x 1 connector	
Grip	Plastic, TPU, Black
Locking	Brass, CuZn, Nickel-plated
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Protection class	IP67, IP69K (Only when screwed tight)
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
General data	
Cable quality	PVC (Black)
Core insulation	PVC
Electrical properties at +20 °C	
Current load	4 A
Insulation resistance	≥ 10 ⁸ Ω
Test voltage	2000 V
Forward resistance	max. 57 Ω/km
Mechanical and chemical properties	
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Ambient temperature	
Stationary usage	-40...+105 °C
Non-stationary usage	0...+80 °C



	Number of pins	Rated voltage [V]	Core cross-section[mm ²]	Cable length [m]	ID number	Type
	2+PE	230	3 x 0.75	2	6606882	VC8S02-A80E-2/TEL
	2+PE	230	3 x 0.75	5	6606883	VC8S02-A80E-5/TEL
	2+PE	230	3 x 0.75	10	6606884	VC8S02-A80E-10/TEL
	2+PE, PE bridged	24	3 x 0.75	2	6606885	VC8S22-L80E-2/TEL
	2+PE, PE bridged	24	3 x 0.75	5	6606886	VC8S22-L80E-5/TEL
	2+PE, PE bridged	24	3 x 0.75	10	6606887	VC8S22-L80E-10/TEL
	2+PE, PE bridged	24	3 x 0.75	2	6606888	VC8S22-T80E-2/TEL
	2+PE, PE bridged	24	3 x 0.75	5	6606889	VC8S22-T80E-5/TEL
	2+PE, PE bridged	24	3 x 0.75	10	6606890	VC8S22-T80E-10/TEL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606891	VC8S22-T80E-0.3-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606892	VC8S22-T80E-0.6-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1	6606893	VC8S22-T80E-1-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606894	VC8S22-T80E-1.5-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	2	6606895	VC8S22-T80E-2-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	5	6606896	VC8S22-T80E-5-RSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	0.3	6606897	VC8S22-T80E-0.3-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	0.6	6606898	VC8S22-T80E-0.6-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1	6606899	VC8S22-T80E-1-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	1.5	6606900	VC8S22-T80E-1.5-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	2	6606901	VC8S22-T80E-2-WSC5.31T/TEL
	2+PE, PE bridged	24	3 x 0.34	5	6606902	VC8S22-T80E-5-WSC5.31T/TEL

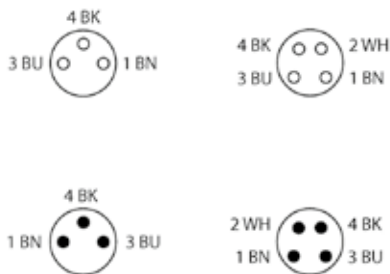
Receptacles for Front-Panel Mounting — M8 × 1

Contacts	Metal, CuZn, Gold-plated
Seal	Plastic, FPM/FKM
Screw-in thread seal	Plastic, NBR
Protection class	IP67
Mechanical Lifespan	> 100 mating cycles
Pollution degree	3
Insulation resistance	≥ 10 ⁸ Ω
Contact resistance	≤ 5 mΩ
Ambient temperature	
Stationary usage	-30...+90 °C


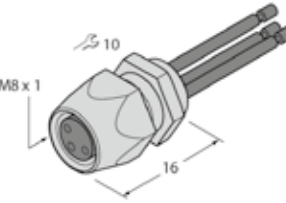
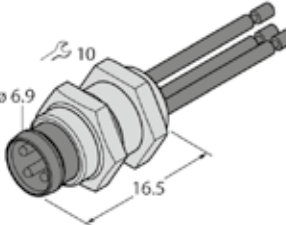


3-pin

4-pin



Types and Features — Selection Table

	Design (connector)	Receptacle housing	Number of pins	Connection mode	Rated voltage [V]	Current load [A]	Contact carriers	Cable length [m]	ID number	Type
	Female	Brass	3	L	60	4	PA, Black	0.2	6934785	PFKS3-0.2
	Female	Brass	4	L	30	4	PA, Black	0.2	6934786	PFKS4-0.2
	Male	Brass	3	L	60	4	PA, Black	0.2	6934787	PFS3-0.2
	Male	Brass	4	L	30	4	PA, Black	0.2	6934788	PFS4-0.2

1) L: Stranded wire contact, LK: Solder contact, P: Print contact