
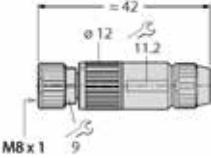
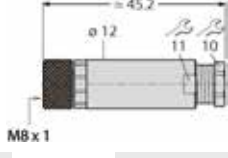
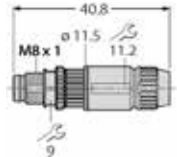
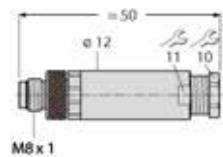
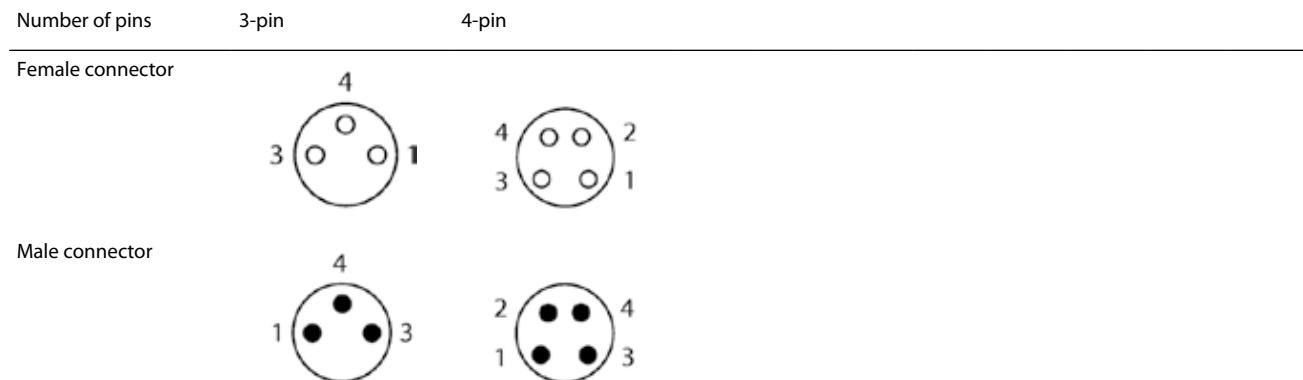


Field-Wireable Connectors – M8 × 1

	Screw/clamp connection				Screw/clamp connection			
	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
 Female connector, straight								
	3	32	6905404	HA5131-0	3	60	6901030	B5133-0
	4	32	6905405	HA5141-0	4	30	6901031	B5143-0
Male connector, straight								
	3	32	6905402	HAS5131-0	3	60	6901012	BS5133-0
	4	32	6905403	HAS5141-0	4	30	6901013	BS5143-0
Connection mode	Insulation displacement connection				Screw/clamp connection			
Grip	Plastic, PA, Black				Plastic, PBT, Black			
Coupling nut/screw	Brass, CuZn, Nickel-plated				Die-cast zinc, GD-Zn			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	PA, Black				PA 66 (UL 94 HB), Black			
Protection class	IP67				IP67			
Current load	4 A				4 A			
Terminal cross-section	0.14...0.34 mm ²				0.14...0.5 mm ²			
Cable external diameter	min. 2.5...5.1 mm				min. 3.5...5 mm			
Storage temperature	-5...+50 °C				-40...+85 °C			

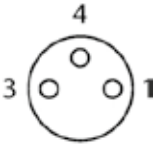

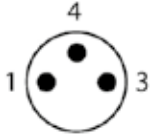



Field-Wireable Connectors – M8 × 1




	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
Female connector, straight								
	3	60	6904910	B5131-0	3	60	6902700	H5131-0
	4	30	6904915	B5141-0	4	30	6902720	H5141-0
Female connector, angled								
	3	60	6904810	B5231-0	3	60	6902800	H5231-0
	4	30	6904815	B5241-0	4	30	6902820	H5241-0
Male connector, straight								
	3	60	6901010	B55131-0	3	60	6902710	HS5131-0
	4	30	6901011	B55141-0	4	30	6902730	HS5141-0
Male connector, angled								
	3	60	6901110	B55231-0	3	60	6902810	HS5231-0
	4	30	6901111	B55241-0	4	30	6902830	HS5241-0
Connection mode	Solder connection				Penetration technology			
Grip	Plastic, PBT, Black				Plastic, PA, Black			
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated				Zinc aluminum, ZnAl, Nickel-plated			
Contacts	Bronze, CuSn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	4 A				4 A			
Terminal cross-section	0.14...0.25 mm ²				0.14...0.34 mm ²			
Cable external diameter	min. 3.5...5 mm				min. 4...5 mm			
Storage temperature	-40...+85 °C				-25...+70 °C			


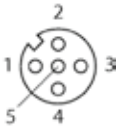

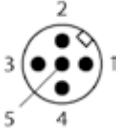
Field-Wireable Connectors

Number of pins	3-pin	4-pin
Female connector		
Male connector		


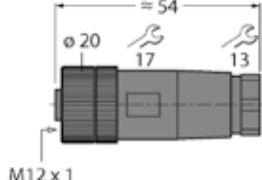
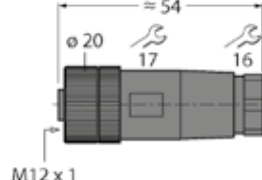
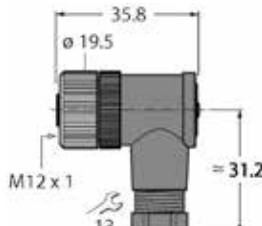
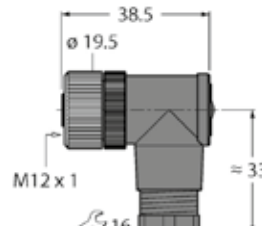
Field-Wireable Connectors – M12 × 1

	Left Column				Right Column			
	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
								
Female connector, straight	4	32	6905407	HA8141-0	4	50	6905409	HA8141-16
Female connector, angled	4	32	6905401	HA8241-0				
Male connector, straight	4	32	6905406	HAS8141-0	4	50	6905408	HAS8141-16
Male connector, angled	4	32	6905400	HAS8241-0				
Connection mode	Insulation displacement connection				Insulation displacement connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Brass, CuZn, Nickel-plated				Brass, CuZn, Nickel-plated			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	4 A				6 A			
Terminal cross-section	0.14...0.34 mm ²				0.34...0.75 mm ²			
Cable external diameter	min. 4...5.1 mm				min. 6...8 mm			
Storage temperature	-5...+50 °C				-5...+50 °C			

Field-Wireable Connectors

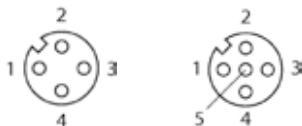
Number of pins	4-pin	5-pin
Female connector	 A circular diagram of a 4-pin female connector. It shows four small circles representing pins arranged in a diamond pattern. The top pin is labeled '2', the right pin '3', the bottom pin '4', and the left pin '1'. A small notch is located at the top of the circle.	 A circular diagram of a 5-pin female connector. It shows five small circles representing pins arranged in a diamond pattern with a fifth pin in the center. The top pin is labeled '2', the right pin '3', the bottom pin '4', the left pin '1', and the central pin '5'. A small notch is located at the top of the circle.
Male connector	 A circular diagram of a 4-pin male connector. It shows four solid black circles representing pins arranged in a diamond pattern. The top pin is labeled '2', the right pin '1', the bottom pin '4', and the left pin '3'. A small notch is located at the top of the circle.	 A circular diagram of a 5-pin male connector. It shows five solid black circles representing pins arranged in a diamond pattern with a fifth pin in the center. The top pin is labeled '2', the right pin '1', the bottom pin '4', the left pin '3', and the central pin '5'. A small notch is located at the top of the circle.

Field-Wireable Connectors – M12 x 1

	Left Column				Right Column			
	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
								
	4	250	69049	B8141-0	4	250	6904901	B8141-0/PG9
	5	125	6904601	B8151-0	5	125	6904604	B8151-0/9
Female connector, angled								
	4	250	69048	B8241-0	4	250	6904801	B8241-0/PG9
	5	125	6904602	B8251-0	5	125	6904603	B8251-0/9
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Plastic, PA, Black				Plastic, PA, Black			
Contacts	Brass, CuZn, Optalloy-coated				Brass, CuZn, Optalloy-coated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	4 A				4 A			
Terminal cross-section	0.14...0.75 mm ²				0.14...0.75 mm ²			
Cable external diameter	min. 4...6 mm				min. 6...8 mm			
Storage temperature	-40 ... +85 °C				-40 ... +85 °C			

Number of pins 4-pin 5-pin

Female connector



Field-Wireable Connectors – M12 × 1



	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
Male connector, straight								
	4	250	69010	BS8141-0	4	250	6901003	BS8141-0/PG9
	5	125	6904611	BS8151-0				
Male connector, angled								
	4	250	69011	BS8241-0	4	250	6901103	BS8241-0/PG9
	5	125	6904612	BS8251-0	5	125	6904615	BS8251-0/9
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Die-cast zinc, GD-Zn, Anodized				Die-cast zinc, GD-Zn, Anodized			
Contacts	Brass, CuZn, Optalloy-coated				Brass, CuZn, Optalloy-coated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	4 A				4 A			
Terminal cross-section	0.14...0.75 mm ²				0.14...0.75 mm ²			
Cable external diameter	min. 4...6 mm				min. 6...8 mm			
Storage temperature	-40...+85 °C				-40...+85 °C			

Number of pins 4-pin 5-pin

Male connector







Field-Wireable Connectors – M12 × 1



	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
Female connector, straight	8	60	6904605	B8181-0	12	30	6604052	B81121-0/PG9
Female connector, angled	8	60	6934339	B8281-0				
Male connector, straight	8	60	6901004	BS8181-0	12	30	6604053	BS81121-0/PG9
Male connector, angled	8	60	6930862	BS8281-0	12	30	6936122	BS82121-0/PG9
Connection mode	Screw/clamp connection				Solder connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated				Die-cast zinc, GD-Zn, Nickel-plated			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	2 A				2 A			
Terminal cross-section	0.14...0.5 mm ²				0.14...0.25 mm ²			
Cable external diameter	min. 6...8 mm				min. 6...8 mm			
Storage temperature	-40...+85 °C				-40...+85 °C			

Field-Wireable Connectors

Number of pins	8-pin	12-pin
Female connector		
Male connector		

Field-Wireable Connectors – M12 × 1



	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
Female connector, straight								
	4	250	6930375	CMB8141-0	8	60	6931450	CMB8181-0
	5	125	6930145	CMB8151-0				
Female connector, angled								
	4	125	6932405	CMB8241-0	8	60	6932024	CMB8281-0
	5	125	6930215	CMB8251-0				
Male connector, straight								
	4	250	6604005	CMBS8141-0	8	60	6930792	CMBS8181-0
	5	125	6930161	CMBS8151-0				
Male connector, angled								
	4	250	6932581	CMBS8241-0				
	5	125	6930216	CMBS8251-0				
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Die-cast zinc, GD-Zn, Nickel-plated				Die-cast zinc, GD-Zn, Nickel-plated			
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated				Die-cast zinc, GD-Zn, Nickel-plated			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	4 A				2 A			
Terminal cross-section	0.14...0.75 mm ²				0.14...0.5 mm ²			

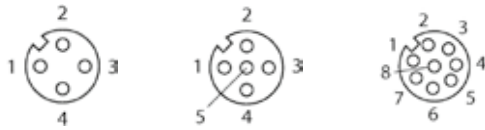
Field-Wireable Connectors



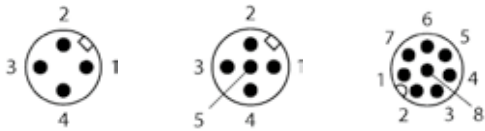
	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
Cable external diameter	min. 6...8 mm				min. 6...8 mm			
Storage temperature	-40...+85 °C				-40...+85 °C			

Number of pins 4-pin 5-pin 8-pin

Female connector



Male connector



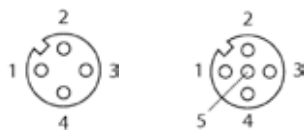
Field-Wireable Connectors – M12 × 1, Duo Cable



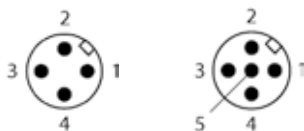
	Number of pins	Rated voltage [V]	ID number	Type	Number of pins	Rated voltage	ID number	Type
Female connector, straight								
	4	250	6934720	VBB8141-0				
	5	60	6934722	VBB8151-0				
Male connector, straight								
	4	250	6930061	VBS8141-0	4	250	6930073	DBS8141-0
	5	60	6934721	VBS8151-0				
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated				Plastic, PA, Black			
Contacts	Brass, CuZn, Optalloy-coated				Brass, CuZn, Optalloy-coated			
Contact carriers	PA, Black				PA, Black			
Protection class	IP67				IP67			
Current load	4 A				4 A			
Terminal cross-section	0.14...0.75 mm ²				0.14...0.75 mm ²			
Storage temperature	-25...+85 °C				-25...+85 °C			

Number of pins 4-pin 5-pin

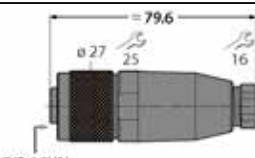
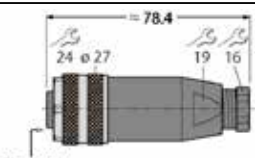
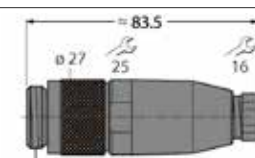
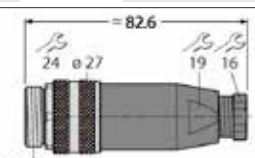
Female connector

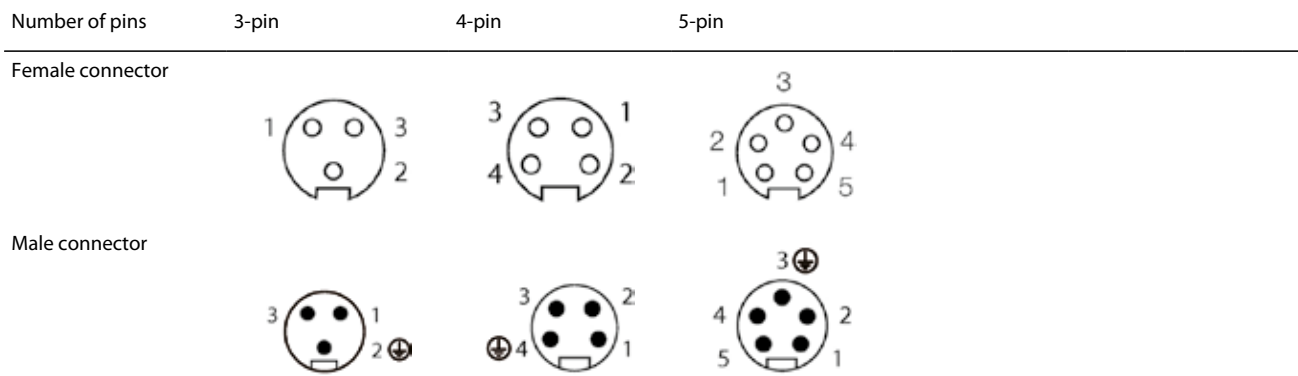


Male connector



Field-Wireable Connectors – 7/8"

	Left Connector				Right Connector			
	Number of pins	Current load [A]	ID number	Type	Number of pins	Current load	ID number	Type
Female connector, straight								
	3	12	6914501	B4131-0/9	3	12	6914511	B4131-0/11
	4	9	6914504	B4141-0/9	4	9	6914512	B4141-0/11
					5	9	6932844	B4152-0/11
Male connector, straight								
	3	12	6914502	BS4131-0/9	4	9	6914518	BS4141-0/11
					5	9	6914507	BS4151-0/11
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Aluminum, Al, Anodized				Aluminum, Al, Anodized			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	TPU, Black				TPU, Black			
Protection class	IP67				IP67			
Rated voltage	250 V				250 V			
Terminal cross-section	0.14...1 mm ²				0.14...1 mm ²			
Cable external diameter	min. 6...8 mm				min. 8...10 mm			
Stationary usage	-40...+90 °C				-40...+90 °C			

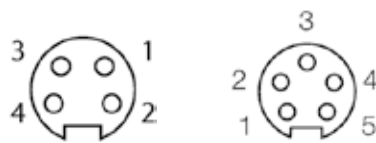


Field-Wireable Connectors – 7/8"

	4-pin				5-pin			
	Number of pins	Current load [A]	ID number	Type	Number of pins	Current load	ID number	Type
Female connector, straight	4	9	6914509	B4141-0/13.5	5	9	6914520	B4151-0/16
Male connector, straight	4	9	6914510	BS4141-0/13.5	5	9	6914519	BS4151-0/16
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Aluminum, Al, Anodized				Aluminum, Al, Anodized			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			
Contact carriers	TPU, Black				TPU, Black			
Protection class	IP67				IP67			
Rated voltage	250 V				250 V			
Terminal cross-section	0.14...1 mm ²				0.14...1.5 mm ²			
Cable external diameter	min. 10...12 mm				min. 12...14 mm			
Stationary usage	-40...+90 °C				-40...+90 °C			

Number of pins 4-pin 5-pin


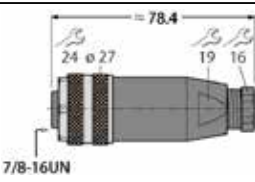
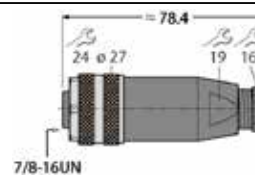
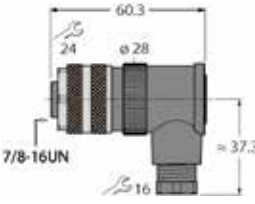
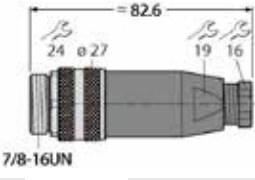
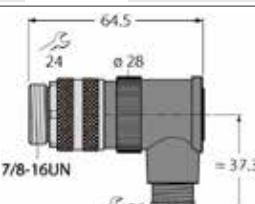
Female connector

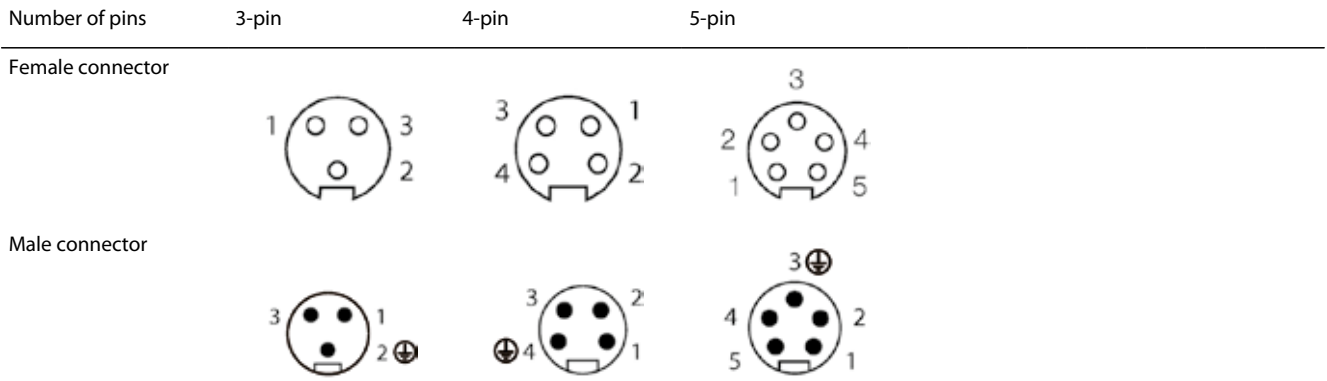


Male connector


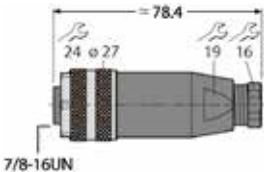
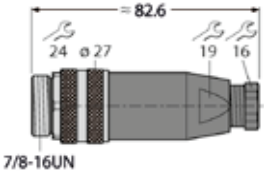


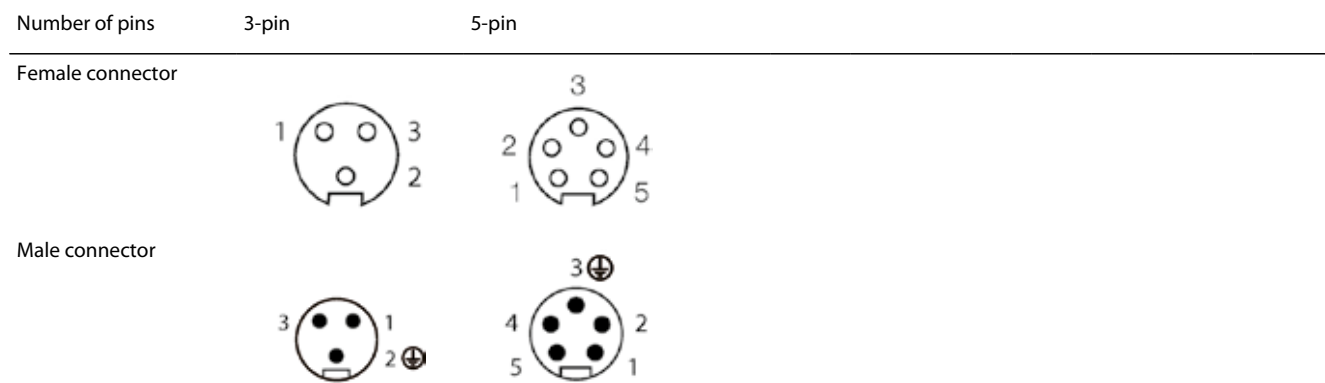
Field-Wireable Connectors – 7/8"

	Screw/clamp connection				Screw/clamp connection			
	Number of pins	Current load [A]	ID number	Type	Number of pins	Current load	ID number	Type
								
Female connector, straight								
								
	5	9	6904717	B4151-0/9	5	9	6914526	B4151-0/11
Female connector, angled								
								
	3	12	6901114	B4231-0/9				
	4	9	6901021	B4241-0/9				
	5	9	6901113	B4251-0/9				
Male connector, straight								
								
	5	9	6904718	BS4151-0/9				
Male connector, angled								
								
	3	12	6933448	BS4231-0/9				
	4	9	6901020	BS4241-0/9				
	5	9	6901112	BS4251-0/9				
Connection mode	Screw/clamp connection				Screw/clamp connection			
Grip	Plastic, PBT(UL 94 V0), Black				Plastic, PBT(UL 94 V0), Black			
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated				Aluminum, Al, Anodized			
Contacts	Brass, CuZn, Gold-plated				Bronze, CuSn, Gold-plated			
Contact carriers	PA 66 (UL 94 HB), Black				PA 66 (UL 94 HB), Black			
Protection class	IP67				IP67			
Rated voltage	600 V				600 V			
Terminal cross-section	0.14...1.5 mm ²				0.14...1.5 mm ²			
Cable external diameter	min. 6...8 mm				min. 8...10 mm			
Stationary usage	-25...+85 °C				-25...+85 °C			



Field-Wireable Connectors – 7/8"

	Number of pins	Current load [A]	ID number	Type								
Female connector, straight		<table border="1"> <tr> <td>5</td> <td>9</td> <td>6904715</td> <td>B4151-0/13.5</td> </tr> <tr> <td>3</td> <td>12</td> <td>6904720</td> <td>B4131-0/13.5</td> </tr> </table>	5	9	6904715	B4151-0/13.5	3	12	6904720	B4131-0/13.5		
5	9	6904715	B4151-0/13.5									
3	12	6904720	B4131-0/13.5									
Male connector, straight		<table border="1"> <tr> <td>3</td> <td>12</td> <td>6904719</td> <td>BS4131-0/13.5</td> </tr> <tr> <td>5</td> <td>9</td> <td>6904716</td> <td>BS4151-0/13.5</td> </tr> </table>	3	12	6904719	BS4131-0/13.5	5	9	6904716	BS4151-0/13.5		
3	12	6904719	BS4131-0/13.5									
5	9	6904716	BS4151-0/13.5									
Connection mode	Screw/clamp connection											
Grip	Plastic, PBT(UL 94 V0), Black											
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated											
Contacts	Brass, CuZn, Gold-plated											
Contact carriers	PBT UL94-V0, Black											
Protection class	IP67											
Rated voltage	600 V											
Terminal cross-section	0.14...1.5 mm ²											
Cable external diameter	min. 10...12 mm											
Stationary usage	-25...+85 °C											

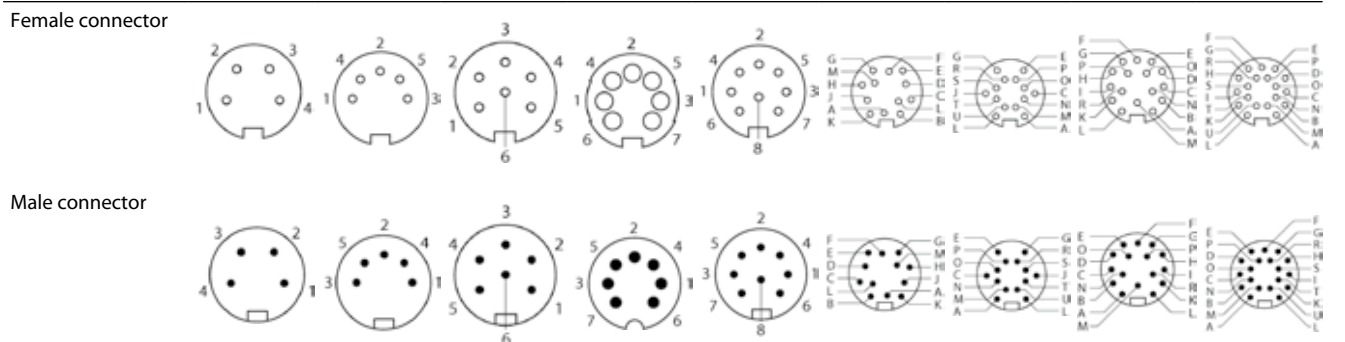


Field-Wireable Connectors – M16 × 0.75


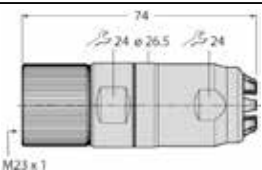
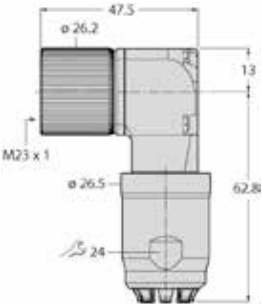
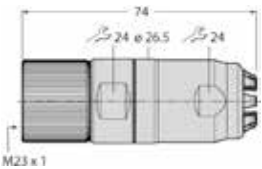
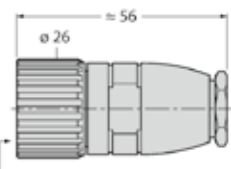
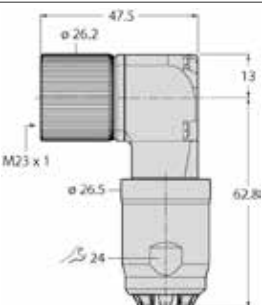
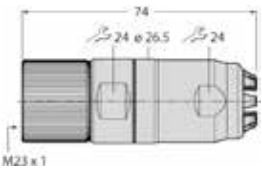


	Number of pins	Current load [A]	ID number	Type	Number of pins	Current load	ID number	Type
Female connector, straight								
	4	6	6934727	BK4-0	12	3	6934741	BK12-0
	5	6	6934729	BK5-0	14	3	6934765	BK14-0
	6	5	6934731	BK6-0	16	3	6934742	BK16-0
	7	5	6934733	BK7-0	19	3	6934766	BK19-0
	8	5	6934736	BK8-0				
Male connector, straight								
	4	6	6934728	BS4-0	12	3	6934767	BS12-0
	5	6	6934730	BS5-0	14	3	6934743	BS14-0
	6	5	6934732	BS6-0	16	3	6934744	BS16-0
	7	5	6934734	BS7-0	19	3	6934745	BS19-0
	8	5	6934737	BS8-0				
Connection mode	Solder connection				Solder connection			
Grip	Plastic, PA, Black				Plastic, PA, Black			
Coupling nut/screw	Die-cast zinc, GD-Zn, Nickel-plated				Die-cast zinc, GD-Zn, Nickel-plated			
Contacts	Bronze, CuSn, Silver-plated				Bronze, CuSn, Gold-plated			
Contact carriers	PBT UL94-V0, Black				PBT UL94-V0, Black			
Protection class	IP67				IP67			
Rated voltage	60 V				60 V			
Terminal cross-section	0.14...0.75 mm ²				0.14...0.25 mm ²			
Cable external diameter	min. 6...8 mm				min. 6...8 mm			
Stationary usage	-40...+95 °C				-40...+95 °C			

Number of pins 4-pin 5-pin 6-pin 7-pin 8-pin 12-pin 14-pin 16-pin 19-pin



Field-Wireable Connectors – M23 × 1

	Straight				Angled			
	Number of pins	Current load [A]	ID number	Type	Number of pins	Current load	ID number	Type
 <p>Female connector, straight</p>	17	9	6604069	FW-M23KU17O-G-CP-ME-SH-14.5				
 <p>Female connector, angled</p>	17	9	6604066	FW-M23KU17O-W-CP-ME-SH-14.5				
 <p>Male connector, straight</p>	17	9	6604067	FW-M23ST17Q-G-CP-ME-SH-14.5	19	8	6604208	FW-M23ST19Q-G-LT-ME-XX-10
  <p>Male connector, angled</p>					12	8	6604070	FW-M23ST12Q-G-LT-ME-XX-10
					19	8	6604051	FW-M23ST19Q-G-CP-ME-XX-10
	17	9	6604068	FW-M23ST17Q-W-CP-ME-SH-14.5	12	8	6604093	FW-M23ST12Q-G-CP-ME-XX-10
Connection mode	Crimp connection				Crimp connection/Solder connection			
Grip	Brass, CuZn, Nickel-plated				Brass, CuZn, Nickel-plated			
Coupling nut/screw	Brass, CuZn, Nickel-plated				Brass, CuZn, Nickel-plated			
Contacts	Brass, CuZn, Gold-plated				Brass, CuZn, Gold-plated			



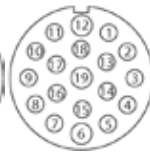
	Number of pins	Current load [A]	ID number	Type	Number of pins	Current load	ID number	Type
Contact carriers	PBT, White				PA, Black			
Protection class	IP67				IP65			
Rated voltage	125 V				150 V			
Terminal cross-section	0.25...1 mm ²				0.25...1 mm ²			
Cable external diameter	min. 7.7...14.5 mm				min. 6...8 mm			
Stationary usage	-40...+125 °C				-40...+70 °C			

Number of pins 12-pin 17-pin 19-pin


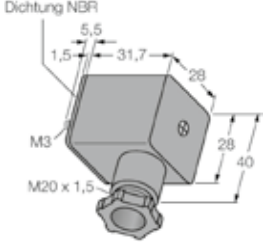
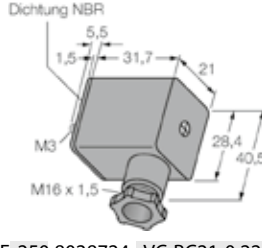
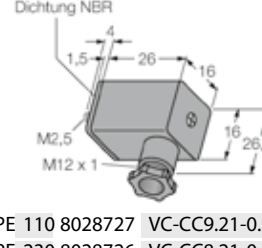
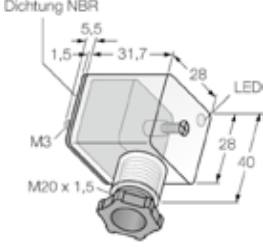
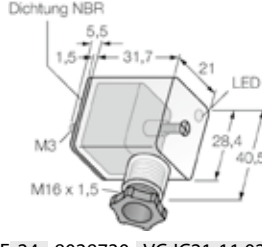
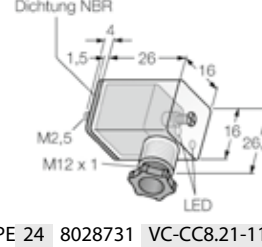
Female connector



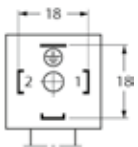
Male connector



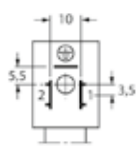
Field-Wireable Valve Connectors

	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			

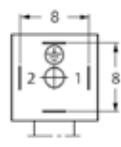
Design A, 2-pin + PE



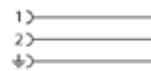
Design B



Design C



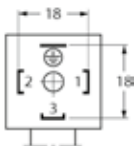
0.220-K, 2-pin + PE



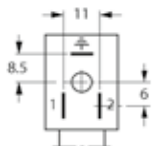
0.220-K, 3-pin + PE



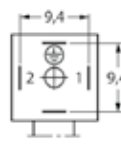
Design A, 3-pin + PE



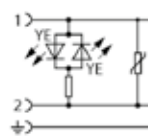
Design BI



Design CI



11.024-K, 2-pin + PE



11.024-K, 3-pin + PE

