



Technical Information

Type BRSTS 8X-787L.M BRSTS 8X-BRSTS 8X-787L.M BRSTS 8X-552L.M Description Cat 6a overmolded cord sets, single-ended and double-ended for Industrial Ehrene Gigabit applications, with M12 male cornector, X-codeL, supports Inaries rates to 10 Gigabi, 360° siteding Connected to Nurtled server, 8 poles Cat 6a overmolded cord sets, single-ended and double-ended for Industrial Ehrene Gigabit applications, with M12 male cornector, X-codeL, supports Inaries rates to 10 Gigabit, 360° siteding Connected to Nurtled server, 8 poles PUL approved version - PLB-approved version - VES FES 1072-2109 Control Cable: • ISO/RES 11801 Cat 7 • ELS 50173-11 • TA/ELA-S68-8.2 (May 2001) Approvals UL* Dist Site Call ISO/RES 11801 Cat 7 • ELS 50173-11 • TA/ELA-S68-8.2 (May 2001) Approvals UL* Technical Data PA Environmental Temperature -40°C to +80°C Actic Control Cable: -40°C to +80°C Versite Size MVH Material Cu2n, nicket-plated Mechanical Data PA Contact Beaver Material PA Contact Reser Material PA Contact Reser Material Cu2n, nicket-plated Mechanical Data PA Contact Resert Material Cu2, nicket-plated	Product Description				
Description Cat 5a overmolded cord sets, single-onded and double-onded for Mutatrial Ethernel Gigabil applications, with M12 male connector, X-coded, support stransfer rates up to 10 Gigabil, 360° shielding connected for Kurled strew, 8 piles Cat 6a overmolded cord sets, single-onded and double-onded for mutatrial Ethernel Gigabil applications, with M12 male connector, X-coded, support stransfer rates up to 10 Gigabil, 360° shielding connected for Kurled strew, 8 piles RNK (2011/65/EU) yes Standards EC 61076-2-109 EC 61076-2-109 EC 61076-2-109 EC 610776-2-109 EC 610776-2-109 EC 610776-2-109 EC 610776-2-109 EC 95072-3-1 Approvals UL* DIN EV 5012-52 (M 545-52) • TW/EA-568-B2 (May 2001) Approvals UL* DIN EV 5012-52 (M 545-52) • TW/EA-568-B2 (May 2001) Approvals UL* DIN EV 5012-52 (M 545-52) • TW/EA-568-B2 (May 2001) Approvals UL* DIN EV 5012-52 (M 545-52) • TW/EA-568-B2 (May 2001) Cantact Barrer Material Contact Material Contact Material Contact Material Contact Material Degree of Protection (PP), Mounted IP67 (Only in properly locked poation with suitable coun					
Industrial Ethernet Glaphit applications, with M12 rade connector, X-coded, supports transfer rates up to 10 Glaphit, 360° shielding connected to knufed screek. 8 poles Industrial Ethernet Glaphit applications, with M12 male connector, X-coded, supports transfer rates up to 10 Glaphit, 360° shielding connected to knufed screek. 8 poles RoHS (2011/65/EU) yes Standards EC 61076-2-109 Control Cable: • 0.00/EC 1140/1 cbr 7 • 10//ELA 568-B.2 (May 2001) Approvals UL * Div Exhibit UL * Div E					
Standards EC 61076-2-109 Control Cable: • EN 00721 · • EN 00731 · • TA/EIA-568-B.2 (May 2001) EC 61076-2-109 Control Cable: • EN 00731 · • EN 0073 · • EN 0	Description	Industrial Ethernet Gigabit applications, with M12 male connector, X-coded, supports transfer rates up to 10 Gigabit, 360° shielding connected to knurled screw, 8 poles	Industrial Ethernet Gigabit applications, with M12 male connector, X-coded, supports transfer rates up to 10 Gigabit, 360° shielding connected to knurled screw, 8 poles		
	RoHS (2011/65/EU)	yes	·		
Technical Data DIN EN 61373 Environmental Temperature -40°C to +80°C Housing Material PA Contact Bearer Material PA Contact Material, Surface Refinement CuZn, Cu/Au Knurled Screw/Nut Material CuZn, nickel-plated Mechanical Data CuZn, nickel-plated Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data Contact Resistance Contact Resistance ≤ 5 mQ Rated Voltage 48 V Rated Voltage 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing PSTS 8X-478/M Pin Assignment		IEC 61076-2-109 IEC 61076-2-109 Control Cable: Control Cable: • ISO/IEC 11801 Cat 7 • ISO/IEC 11801 Cat 7 • EN 50173-1 • EN 50173-1 • TIA/EIA-568-B.2 (May 2001) • DIN 5510-2, EN 45545-2			
Environmental Temperature -40°C to +80°C -40°C to +85°C Housing Material PA Contact Bearer Material PA Contact Material, Surface Refinement CuZn, cu/Au Knurled Screw/Nut Material CuZn, nickel-plated Mechanical Data CuZn, nickel-plated Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data Contact Resistance Contact Resistance ≤ 5 mΩ Rated Voltage 48 ∨ Rated Voltage 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Draving Pin Assignment Mil2, Male	Approvals	UL*			
Housing Material PA Contact Bearer Material PA Contact Material PA Contact Material PA Contact Material PA Contact Material CuZn, Cu/Au Knurled Screw/Nut Material CuZn, nickel-plated Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data Contact Resistance Contact Resistance ≤ 5 mΩ Rated Voltage 48 V Rated Voltage 48 V Rated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing PSTS 8X-478/M	Technical Data				
Contact Bearer Material PA Contact Material, Surface Refinement CuZn, Cu/Au Knurled Screw/Nut Material CuZn, Cu/Au Mechanical Data CuZn, nickel-plated Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data Contact Resistance Contact Resistance ≤ 5 mΩ Rated Voltage 48 V Rated Voltage 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment	Environmental Temperature	-40 °C to +80 °C	-40 °C to +85 °C		
Contact Material, Surface Refinement CuZn, Cu/Au Knurled Screw/Nut Material CuZn, nickel-plated Mechanical Data CuZn, nickel-plated Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data Contact Resistance Contact Resistance ≤ 5 mΩ Rated Voltage 48 V Rated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing M12, Male 2 = Orange 3 = White-green 4 = Green 5 = White-brown 6 = Brown 7 = White-blue 8 = Blue RSTS 8X-478/M BRSTS 8X-478/M BRSTS 8X-652/M Brsts 8X-85TS 8X-478/M CuZn, Cu/Au CuZn, Cu/Au CuZn, Cu/Au CuZn, Cu/Au Brsts 8X-85TS 8X-478/M CuZn, Cu/Au BRSTS 8X-652/M BRSTS 8X-652/M	Housing Material	F	PA		
Knurled Screw/Nut Material CuZn, nickel-plated Mechanical Data IP67 (Only in properly locked position with suitable counterpart) Electrical Data ≤ 5 mΩ Contact Resistance ≤ 5 mΩ Rated Voltage 48 V Rated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment ⁴ Green ⁴ Green ⁵ White-orange ² Corange ³ White-green ⁴ Green ⁵ White-brown ⁶ Brown ⁷ White-blue ⁸ Bilue RSTS 8X-8STS 8X-478/M ⁴ Green ⁴ White-blue ⁴ Green ⁴	Contact Bearer Material	F	A		
Mechanical Data Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data 5 mΩ Contact Resistance 5 mΩ Rated Voltage 48 V Rated Voltage 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment * * *	Contact Material, Surface Refinement	CuZn,	Cu/Au		
Degree of Protection (IP), Mounted IP67 (Only in properly locked position with suitable counterpart) Electrical Data Contact Resistance ≤ 5 mΩ Rated Voltage 48 V Rated Voltage 48 V Rated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Prin Assignment ⁵ ⁵ ³ ⁵ ⁵ ³ ⁵	Knurled Screw/Nut Material	CuZn, nic	:kel-plated		
Electrical Data ≤ 5 mΩ Rated Voltage 48 V Rated Voltage 48 V Rated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment ⁶ ⁶ ⁷ ⁶ ⁷ ⁷ ⁸ ⁷ ⁸ ⁷ ⁸ ⁷ ⁸ ⁷ ⁸ ⁷ ⁸ ⁸ ⁷ ⁸	Mechanical Data				
Contact Resistance $\leq 5 \text{ m}\Omega$ Rated Voltage48 VRated Current In0.5 APollution Degree3 acc. to DIN EN 60664-1 (VDE 0110)Technical DrawingPin Assignment $4 \int_{0}^{2} \int_{0}^{4} \int_{1}^{3} \int_{0}^{3} M12, Male Brand Bra$	Degree of Protection (IP), Mounted	IP67 (Only in properly locked po	osition with suitable counterpart)		
Rated Voltage 48 V Rated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment % 500 1 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /	Electrical Data				
Bated Current In 0.5 A Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment % 000 S X-coded 1 White-orange 2 Orange 3 White-orange 2 Orange 3 White-orange 2 Orange 3 White-orange 2 Orange 3 White-brown 6 Brown 7 White-blue 8 Blue	Contact Resistance	≤ 5	imΩ		
Pollution Degree 3 acc. to DIN EN 60664-1 (VDE 0110) Technical Drawing Pin Assignment RSTS 8X-478/M BRSTS 8X-552/M ⁶ / ₂ , ² / ₂ , ² / ₂ , ¹	Rated Voltage	4	8 V		
Technical Drawing Pin Assignment ⁶ / ₂ ⁷ / ₂	Rated Current In	0.	5 A		
Technical Drawing Pin Assignment ⁶ / ₂ ⁷ / ₂					
Pin AssignmentRSTS 8X-478/MBRSTS 8X-478/M	-				
	Pin Assignment M12, Male 8 poles X-coded 1 = White-orange 2 = Orange 3 = White-green 4 = Green 5 = White-brown 6 = Brown 7 = White-blue	RSTS 8X-RSTS 8X-478/M	BRSTS 8X-BRSTS 8X-552/M		

* Pending UL-approved version (RSTS 8X) available in near future. The application of these products in harsh environments should always be checked before use.



Order Information

Order No.	Туре	No. of Contacts	Outer Jacket	Characteristics
934809001	RSTS 8X-478/2 M	8	PUR jacket, halogen-free, black	
934809002	RSTS 8X-478/5 M	8	PUR jacket, halogen-free, black	
934809003	RSTS 8X-478/10 M	8	PUR jacket, halogen-free, black	
934809004	RSTS 8X-478/15 M	8	PUR jacket, halogen-free, black	
934809005	RSTS 8X-RSTS 8X-478/2 M	8	PUR jacket, halogen-free, black	UL * 🍗 🏨 🛛
934809006	RSTS 8X-RSTS 8X-478/5 M	8	PUR jacket, halogen-free, black	
934809007	RSTS 8X-RSTS 8X-478/10 M	8	PUR jacket, halogen-free, black	
934809008	RSTS 8X-RSTS 8X-478/15 M	8	PUR jacket, halogen-free, black	
934809009	BRSTS 8X-552/2 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809010	BRSTS 8X-552/5 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809011	BRSTS 8X-552/10 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809012	BRSTS 8X-552/15 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809013	BRSTS 8X-BRSTS 8X-552/2 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809014	BRSTS 8X-BRSTS 8X-552/5 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809015	BRSTS 8X-BRSTS 8X-552/10 M	8	X-FRNC/LSNH jacket, halogen-free, blue	
934809016	BRSTS 8X-BRSTS 8X-552/15 M	8	X-FRNC/LSNH jacket, halogen-free, blue	

* Pending UL-approved version (RSTS 8X) available in near future.



Product information 0986 EMC 600

Industrial Connecting Solutions: I/O Modules: I/O Modules Activ - Stand Alone: Industrial Ethernet: Accessories: Attachable Connectors: 0986 EMC 600 https://www.e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-247858-277551-247867-277307/en/conf/uistate 0986 EMC 600 Name Field attachable connector, M12 male connector, with threaded joint, shieldable, assembling with insulation displacement connection, 8 poles X coded **Delivery informations** Availability available Product description 0986 FMC 600 Туре Order No. 934 637-032 Description Field attachable connector, M12 male connector, with threaded joint, shieldable, assembling with insulation displacement connection, 8 poles X coded Note The application of these products in harsh environments should always be checked before use. Color of housing silver Number of contacts 8 Product characteristics EMC resistance Classification Belden class Attachable Connectors Belden brand Lumberg-Automation Mechanical data Type of plug-in contact Male connector Design of housing straight M12 Thread Design of electrical connection IDC method of termination Coding of the M12 round plug connector Х **Environmental conditions Environmental temperature** -25 °C ... 85 °C Degree of protection (IP), mounted IP67 Pollution degree 3 Materials Housing material / Molded body Zinc diecasting, nickel-plated Contact bearer material PA Contact material CuZn Contact material - Surface refinement gold-plated Knurled screw / nut material CuZn, zinc diecasting **Approvals** RoHS 2002/95/EG compliant yes Electrical data

0.5 A at 40°C

48 V

 $> 1 \ G\Omega$

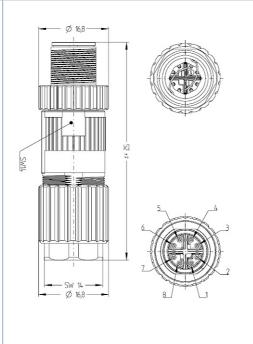
Rated current In Nominal voltage

Insulation resistance



Industrial Connecting Solutions://O Modules://O Modules Activ - Stand Alone:Industrial Ethernet:Accessories:Attachable Connectors:0986 EMC 600 https://www.e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-247858-277551-247867-277307/en/conf/uistate Picture

Drawing

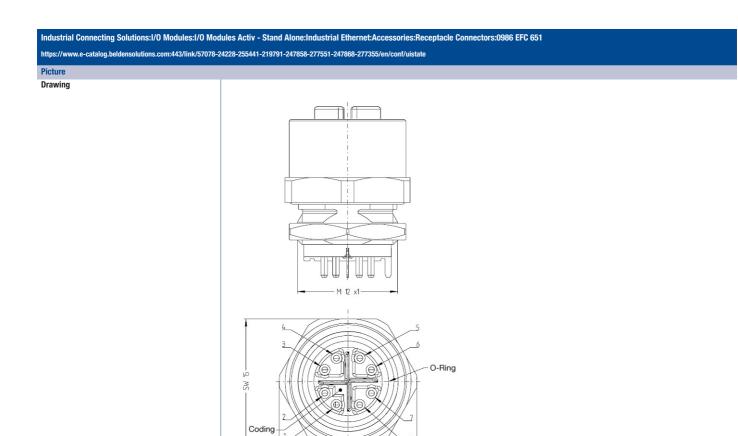




Product information 0986 EFC 651

Industrial Connecting Solutions: I/O Modules: I/O Modules Activ - Stand Alone: Industrial Ethernet: Accessories: Receptacle Connectors: 0986 EFC 651				
https://www.e-catalog.beldensolutions.com:443/link/57078-24228-255441-219791-247858-277551-247868-277355/en/conf/uistate				
Name	0986 EFC 651			
	Receptacle connector, M12 female connector for front mounting, assembling with Printed contacts, 8 poles X coded			
Delivery informations				
Availability	available			
Product description	0986 EFC 651			
Type Order No.				
	on request / auf Anfrage			
Description	Receptacle connector, M12 female connector for front mounting, assembling with Printed contacts, 8 poles X coded			
Note Number of contacts	The application of these products in harsh environments should always be checked before use. 8			
Product characteristics	EMC resistance			
Classification				
Belden class	Receptacle Connectors			
Belden brand	Lumberg-Automation			
Mechanical data	Landon y Adontation			
Type of plug-in contact	Female connector			
Thread	M12			
Design of electrical connection	print connection			
Environmental conditions				
Environmental temperature	-25 °C 85 °C			
Degree of protection (IP), mounted	IP67			
Pollution degree	3			
Materials				
Housing material / Molded body	CuZn, nickel-plated			
Contact bearer material	PA			
Contact material	CuZn			
Contact material - Surface refinement	gold-plated			
Knurled screw / nut material	CuZn, nickel-plated			
Sealing material	FKM			
Approvals				
RoHS 2002/95/EG compliant	yes			
Electrical data				
Rated current In	0.5 A at 40°C			
Nominal voltage	48 V			
Insulation resistance	>1 6Ω			





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