



Product: 0986 EFC 152 ☑

Fast Ethernet Cat5e Data Receptacle Connector: Female, rear mount, M12 - mating side, print contacts - connecting side, 4-pin, D-coded, unshielded, metallic grey housing, 50 V AC / 60 V DC, 4 A

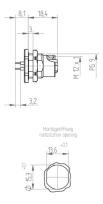
2

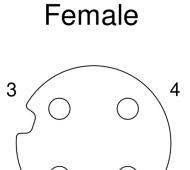
Product Description

Fast Ethernet Cat5e Data Receptacle Connector: Female, rear mount, M12 - mating side, print contacts - connecting side, 4-pin, D-coded, unshielded, metallic grey housing, 50 V AC / 60 V DC, 4 A

Technical Drawing







1

Technical Specifications

Technical Data

Poduct Family:Data ConnectorsProduct Stafiely:M12 StandardMaing Science:M12Connecting Skiele:M10 StandardBranderImore StandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:RestandardConnector Skiele:Skiele:Connector S		
Mang Side: M2 Conceting Side: Pin Contads Brand: Loberg Automation Concetor Type: Recetact Darded Concetor Recetact Type of Contal / Gender Readomatic Concetor Type: Readomatic Outneet Concetor Readomatic Stander Concetor Readomatic Concetor Segie: Q Adatament Type: Q Adatament Type: Sere-Acoking Adatament Type: Sere-Acoking Adatament Type: Q Adatament Type: Sere-Acoking Adatament Type: S	Product Family:	Data Connectors
Connecting Side:Print ContactasBrand:Lumbeg AutomationConnector Type:ReceptacleType of Contact / GenderReceptacleConnector Design:Rer MountQuimber of Prins:QQuimber of Prins:QDesign:Serew-LockingRatchament Type:Serew-LockingRatchament Type:Serew-LockingRatchament Type:Serew-LockingRatchament Type:Serew-LockingSerew-LockingSerew-LockingRatchament Type:Sit Serew-LockingRatchament Type:Sit Serew-LockingRatchament Type:Sit Serew-LockingRatchament Type:Sit Serew-LockingRatchament Type:Sit Serew-LockingRatchament Type:Sit Serew-LockingSit Se	Product Sub Family:	M12 Standard
Brand: Lumberg Automation Connector Type: Receptacle Type of Contact / Gende: Female Connector Design: Rear Mount Number of Pins: Q Attachment Type: G Scowe-Joack Scowe-Joack Attachment Type: Stowe-Joack Attachment Type: Scowe-Joack Attachment Type: Stowe-Joack A	Mating Side:	M12
Connector Type: Receptade Type of Contact / Gender: Female Connector Design: Female Connector Design: Rear Mount Number of Pins: 4 Coding: D Cotadity: Scew-Locking Attachment Type: Scew-Locking Read Voltage: 0/V Operating Voltage: 1.5kV Operating Voltage: 0.VAC / 60 V DC Rated Current: 4 Data Transmission Rate: Fast Ehernet CatSe Contact Resistance: 1.09 Ohm	Connecting Side:	Print Contacts
Type of Contact / Gende Female Connector Design: Rear Mount Number of Pins: 4 Coding: D Coding: D Attachment Type: Screw-Locking Raded Voltage: 0.V Operating Voltage: 0.V Operating Voltage: 0.VAC / GO V DC Rated Current: 4.A Data Transmission Rate: Fast Ethemet CatSe Contact Resistance: 10 nOhm	Brand:	Lumberg Automation
Conector Design:Rear MountNumber of Pins:4Coding:DAtdotment Type:Srow-LockingAtachment Type:Srow-LockingAted Notage:0 VStor Operating Voltage:1.5 kVOperating Voltage:4.4Ata Current*:4.Ata Transmission Rate:Fat Ethernet CataSeStor Operating Voltage:1.0 nohmStor Operating Voltage:1.0 nohmContact Resistance:1.0 nohmStor Operation CataSe1.0 nohmStor Operation CataSe	Connector Type:	Receptacle
Number of Pins:4Aumber of Pins:9Coding:DAtachment Type:Srew-LockingAtachment Type:0vRated Voltage:0vRated Number of Voltage:1.5 kVOperating Voltage:0.9 VAtachment Type:4.4Contact Resistance:Fat Ethernet CatSeIsulation Resistance:1.0 voltageOperating Voltage:1.0 voltageIsulation Resistance:1.0 voltageIsulation Resistance:	Type of Contact / Gender:	Female
Coding: D Atdachment Type: Scow-Locking Atachment Type: Scow-Locking Rated Voltage: 0/ Atdachment System: SVAC Operating Voltage: 1.5 kV Atach Current* A Atachansission Rate: State Ethernet Cataform State Transmission Rate: State InterCataform Isulation Resistance: >10% Ohm	Connector Design:	Rear Mount
Atachment Type:Srew-LockingAtachment Type:Srew-LockingRated Voltage:60 VRated Impulse Voltage:1.5 kVOperating Voltage:0 V AC / 60 V DCRated Current*4 AData Transmission Rate:Fat Ethernet Cat5eContact Resistance:10 mOhmInsultation Resistance:10 % Ohm	Number of Pins:	4
Rated Voltage:60 VRated Impulse Voltage:1.5 kVOperating Voltage:50 V AC / 60 V DCRated Current*:4 AData Transmission Rate:Fast Ethernet Cat5eContact Resistance:< 10 mOhmInsulation Resistance:> 10*9 Ohm	Coding:	D
Rated Impulse Voltage: 1.5 kV Operating Voltage: 50 V A C / 60 V DC Rated Current*: 4.4 Data Transmission Rate: Fast Ethernet CatSe Contact Resistance: 1.0 m/m Insulation Resistance: 1.0*0 pm	Attachment Type:	Screw-Locking
Operating Voltage: 50 V AC / 60 V DC Rated Current*: 4 A Data Transmission Rate: Fast Ethernet Cat5e Contact Resistance: 10 mOhm Isulation Resistance: > 10*9 Ohm	Rated Voltage:	60 V
Rated Current*: 4 A Data Transmission Rate: Fast Ethernet Cat5e Contact Resistance: < 10 mOhm	Rated Impulse Voltage:	1.5 KV
Data Transmission Rate: Fast Ethernet Cat5e Contact Resistance: < 10 mOhm	Operating Voltage:	50 V AC / 60 V DC
Contact Resistance: ≤ 10 mOhm Insulation Resistance: > 10^9 Ohm	Rated Current*:	4 A
Insulation Resistance: > 10^9 Ohm	Data Transmission Rate:	Fast Ethernet Cat5e
	Contact Resistance:	≤ 10 mOhm
Mating Cycles: ≤ 100	Insulation Resistance:	> 10^9 Ohm
	Mating Cycles:	≤ 100

Type of Connection:	PCB
Thread Size:	PG9
Thread Material:	CuZn
Thread Plating:	Nickel-plated
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	In style of IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU-GF
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Potted:	Yes
Housing Material:	CuZn
Housing Plating:	Nickel-plated
Housing Color:	Silver
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
O-Ring Material:	FKM

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes
Notes	
Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	* only if mounted and locked in combination with Hirschmann / Lumberg connector. On the installation side tightness has to be assured by taking proper measures.
Note:	The receptacle connector is constructively intended for usage in IP67-products. To realise this protection class, the estimated location has to be designed accordingly. Further details see IEC 61076-2-101.

Variants

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Item # Item Description

^{64161 0986} EFC 152