



# 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

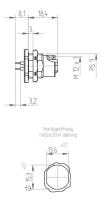
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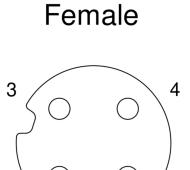
### **Product Description**

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**







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## **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

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Item # Item Description

<sup>64161 0986</sup> EFC 152