



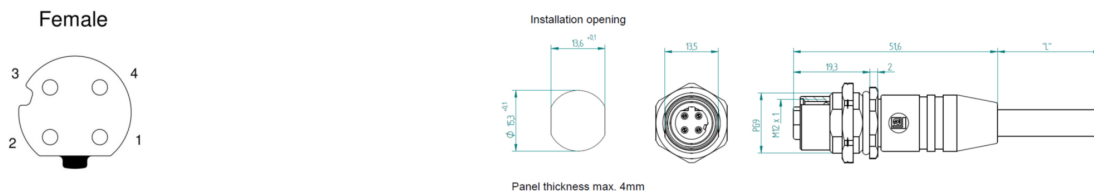
**Product:** [RKHS 4D-342 CN](#)

Fast Ethernet Cat5e Data Receptacle Connector: Female, rear mount, M12 - mating side, cable - connecting side, 4-pin, D-coded, shielded, metallic housing, 50 V AC / 60 V DC, 4A; PUR green cable, 4-wires, 0.34mm<sup>2</sup>

**Product Description**

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**Technical Drawing**



**Technical Specifications**

**Face View**

Pin 1	Pin 2	Pin 3	Pin 4
yellow	white	orange	blue

**Technical Data**

Product Family:	Data Connectors
Product Sub Family:	M12 Standard
Mating Side:	M12
Connecting Side:	Cable
Brand:	Lumberg Automation
Connector Type:	Receptacle
Type of Contact / Gender:	Female
Connector Design:	Rear Mount
Number of Pins:	4
Coding:	D
Shielding:	Shielded
Attachment Type:	Screw-Locking
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV

Operating Voltage:	50 V AC/60 V DC
Rated Current*:	4 A
Data Transmission Rate:	Fast Ethernet Cat5e
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>8</sup> Ohm
Mating Cycles:	≤ 100
Thread Size:	PG9
Thread Material:	CuZn
Thread Plating:	Nickel-plated
Ambient Temperature (Operation)*:	- 25 °C - + 85 °C
Protection Degree / IP Rating**:	IP 67
Design Standard:	IEC 61076-2-101

### Materials

Contact Plating:	Cu/Au
Molded Body Material:	PA
Molded Body Color:	Black
Housing Material:	CuZn
Housing Plating:	Nickel-plated
O-Ring Material:	FKM

### Cable Data

Cable Number:	342
Conductor Size:	0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	5 x D
Minimal Bending Radius (Flexible Inst):	10 x D
Cycles (Bending):	> 2 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	green matt similarly RAL 6018
Cable Diameter D:	ø 6.5 ± 0.2 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.58 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	Al-PT Foil
Ambient Temperature (Fixed Installation):	-50 °C - + 80 °C
Ambient Temperature (Flex Installation):	-25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549

### Safety & Environmental Compliance

RoHS Compliant:	yes
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### Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
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

Item #	Item Description	Cable Length
93420101	RKHS 4D-342/1M CN	1m

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