

Ethernet Switch eCon 7050-B1



eCon 7050-B1 M12 D-coding Fast Ethernet Switch for industrial applications

Advantages

- High protection degree IP 67
- Robust metal housing
- EMC, temperature range and mechanical stability meet highest requirements
- Plug & Play Installation
- All Ethernet interfaces are protected against overvoltages.

General Description

Switches divide collision domains into point-to-point connections between the network components and the relevant devices, thus excluding collisions.

The Fast Ethernet Switch eCon 7050-B1 allows the connection of up to five devices via Shielded Twisted Pair cables acc. to IEC 802.3 and can be used directly in industrial environments.

Thus it is possible to reduce the termination time to set up industrial networks. Any network configuration can be realised. Connectors guarantee a secure and quick assembly.

Technical Details

Housing and Assembly

Housing	Robust metal housing of zinc die cast
Dimensions	45 x 120 x 87 (W x D x H in mm, without connector)
Assembly	35 mm standard rail acc. to DIN EN 60715 Panel mounting upright assembly Panel mounting flat assembly

Power Supply

Input voltage	24 / 48 V DC (12 ... 60 V DC)
Current consumption	110 mA (at 24 V DC)
Terminals	connectorized with HARAX® M12 connector redundant power supply

Ethernet Interface

Ports	5x 10/100Base-TX
Data transmission rate	10 or 100 Mbit/s / Auto-negotiation
Cable	Shielded Twisted Pair (STP) and Unshielded Twisted Pair (UTP), Category 5
Terminals	connectorized with M12 circular connectors, D-coding Auto-crossing function
Maximum cable length	100 m (with Category 5) acc. to DIN EN 50173

Environmental conditions

Protection degree	IP 65 / IP 67
Operating temperature	-40 °C ... +70 °C
Operating humidity	10 % ... 95 %, not condensing

All datas given are in line with the actual state of art and therefore not binding. HARTING reserves the right to modify designs without giving the relevant reasons.

Identification

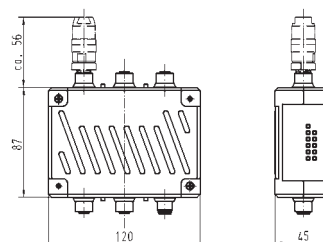
Part-Number

Drawing

Dimensions in mm

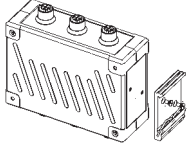
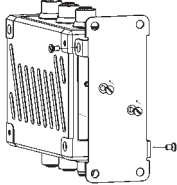
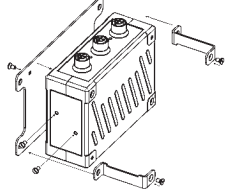
eCon 7050-B1
Fast Ethernet Switch
5 x 10/100Base-TX
M12 D-coding


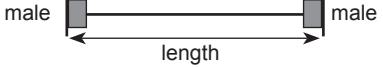
20 70 305 3943



Ethernet Switch eCon 7050-B1



Accessories	Part-Number	Drawing	Dimensions in mm
Set for assembly on standard rail acc. to DIN EN 60715	20 80 000 0003		
Set for panel mounting upright assembly	20 80 010 0001		
Set for panel mounting flat assembly	20 80 024 0002		

Identification	Part-Number	Drawing	Dimensions in mm
<p>Pre-assembled and tested cable for Industrial Ethernet IP 65 / IP 67 (in mated condition) Metal version</p> <p>2 x circular connectors length: 1 m M12 D-coding, straight version 3 m 5 m</p> <p>2 x circular connectors length: 1 m M12 D-coding, angled version 3 m 5 m</p> <p>1) Length on request</p>	<p>21 03 485 1401 21 03 485 1403 21 03 485 1405 21 03 485 1400¹⁾</p> <p>21 03 485 3401 21 03 485 3403 21 03 485 3405 21 03 485 3400¹⁾</p>	 <p>Cable: 0.34 mm² / AWG 22</p> 	

Identification	Part-Number	
	Power Supply	Ethernet Interface
HARAX [®] M12-L circular connector	21 03 212 2305	
HARAX [®] M12-L circular connector screened, 4-pin male, D-coding		21 03 281 1405
Cover M12	21 01 000 0003	21 01 000 0003



HARTING Electric GmbH & Co. KG

Wilhelm-Harting-Straße 1 | 32339 Espelkamp | Postfach 14 73 | 32328 Espelkamp

Fon: 05772 47-97100 | Fax: 05772 47-688 | HARTING.Electric@HARTING.com | www.HARTING.com

2009-05-05