LANmark Industry DIN-Rail Outlets and boxes
LANmark Industry modular iConnect box DIN-Rail mount for 6 Snap-In
Nexans ref.: N42i.101

- For DIN-Rail mount (35mm)
- Data connection for the industry
- For up to 6 copper of fibre optic Snap-In connectors (not included)
- Splice trays as accessories
- For technical enclosures, Wireless Access Points, Industrial cabinets
- Snap-In connectors not included

Description

Application

With the deployment of industrial Ethernet, users are installing data networks in industrial areas. The LANmark Industry iConnectBox allows a modular deployment of copper RJ45 /GG45 and fibre optic LC and SC Snap-In connectors in industrial cabinets fitted with a 35mm DIN-Rail. It can be directly locked on the DIN-Rail or screwed on the side onto a wall.

The LANmark Industry iConnectBox is ideal for areas with restricted space. It allows for high density. It offers strain release possibilities, large access to the connectors, easy cable entry for both copper and fibre optic cables.

The LANmark Industry iConnect box can be fitted with splice trays thus supporting direct fibre optic termination, splicing and pre-termination.

- Robust metal body, powder coated
- IP20 protection rating with individual dust shutters
- Possibility of Individual port colour coding through coloured shutter

  - up to 6 LANmark RJ45 or GG45 Snap-In jacks
  - up to 6 SC Snap-In couplers (6 fibres)
  - up to 3 SC duplex Snap-In couplers (6 fibres)
  - up to 6 LC duplex Snap-In couplers (12 fibres)
- Mix of copper jacks and optic adapters possible
- Strain release through cable gland or tie wraps
- Removable (screws) side cover

Type of cables

- Shielded Industrial Category 6 and 7 data cables, AWG 24 to AWG23
- Fiber optic cables up to 15mm diameter
- Simplex - Duplex and breakout fibre optic cables
- Tight buffer or loose tube fibre optic cables
- Pre-terminated cables

Connectivity

LANmark Snap-in copper connectors or Snap-in fibre optic adaptors must be ordered separately.

LANmark Industry

Standards

International ISO/IEC 11801;ISO/IEC 24702

Mechanical resistance to impacts	Electro magnetic interference resistance	Minimum operating temperature	Maximum operating temperature	Water proof	RoHS conform
Low	No	0 °C	70 °C	No	Yes

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Copper Connectivity

- LANmark-5
- LANmark-6 /6A
- LANmark-7 /7A

Fibre optic connectivity

- SC-Simplex
- SC-Duplex
- LC-Duplex

Splice trays

- Management and splice trays as accessories
- up to 24 splices

Mechanical resistance to impacts	Electro magnetic interference resistance	Minimum operating temperature	Maximum operating temperature	Water proof	RoHS conform
Low	No	0 °C	70 °C	No	Yes

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Characteristics

Construction characteristics	
Connector type	Snap-In
Screen	Yes
Cable entry	From the bottom
Colour	Black
Material	Steel
Dimensional characteristics	
Length cable end on inner side	120.0 mm
Number of cables	6
Height	150 mm
Width	50 mm
Depth	104 mm
Wall thickness	1.6 mm
Approximate weight per piece	0.35 kg
Dimensions of screw	3.0mm
Number of screws	2
Electrical characteristics	
Maximal operating frequency	0 MHz
Characteristic impedance	0 Ohm
Mechanical characteristics	
Mechanical resistance to impacts	Low
Usage characteristics	
Component function	Cabling and Connectivity solutions
Field of application	Industrial installations
Number of ports	6
Category	N/A
Electro magnetic interference resistance	No
Packaging	Plastic bag
Minimum operating temperature	0 °C
Maximum operating temperature	70 °C
Water proof	No
RoHS conform	Yes

Mechanical resistance to impacts
Low

Electro magnetic interference resistance
No

Minimum operating temperature
0 °C

Maximum operating temperature
70 °C

Water proof
No

RoHS conform
Yes

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LANmark Industry iConnect Box Connectors and Accessories

LANmark Industry iConnect Box Connectors and Accessories

Connectors, couplers and accessories	Part number
Copper Jacks	
LANmark-6 Evo Snap-in Cat. 6 250MHz RJ45 Screened	N420.666
LANmark-6A Evo Snap-in Cat. 6A 500MHz RJ45 Screened	N420.66A
LANmark-7 GG45 Snap-in Cat.7	N420.730
LANmark-7 40G GG45 Snap-in Cat.7A	N420.735
Fibre optic couplers Multimode	
LANmark-OF SC Simplex MM Snap-in coupler	N205.613
LANmark-OF SC Duplex MM Snap-in coupler	N205.614
LANmark-OF LC Duplex MM Snap-in coupler	N205.611
Fibre optic couplers Singlemode	
LANmark-OF SC Simplex SM Snap-in coupler	N205.623
LANmark-OF SC Duplex SM Snap-in coupler	N205.624
LANmark-OF LC Duplex SM Snap-in coupler	N205.621
Coloured shutters	
Green	N421.701G
Yellow	N421.701Y
Red	N421.701R
Blue	N421.701B
Grey	N421.701GR
White	N421.701
Splice trays	
Tray for fibre management and splices	N42i.102
Cover for tray	N42i.104

Mechanical resistance to impacts	Electro magnetic interference resistance	Minimum operating temperature	Maximum operating temperature	Water proof	RoHS conform
Low	No	0 °C	70 °C	No	Yes