

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 or 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



LANmark

Industry

STANDARDS

International ISO/
IEC 11801;ISO/IEC 24702



Mechanical resistance to impacts
Low



Electro magnetic interference resistance
No



Minimum operating temperature
0 °C



Maximum operating temperature
70 °C



Water proof
No



RoHS compliant
Yes

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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Connectivity

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

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 12 splices



Mechanical resistance to impacts
Low



Electro magnetic interference resistance
No



Minimum operating temperature
0 °C



Maximum operating temperature
70 °C



Water proof
No



RoHS compliant
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
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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 compliant	Yes

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ACCESSORIES ICONNECT BOX

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 40G GG45 Snap-in Cat.7A	N420.735
LANmark-OF Multimode Adaptors	
LANmark-OF Duplex SC Snap-In Adaptor Multimode Aqua	N205.619
LANmark-OF SC Snap-In Adaptor Multimode Aqua	N205.613
LANmark-OF Duplex LC Snap-In Adaptor Multimode Aqua	N205.617
LANmark-OF Singlemode Adaptors	
LANmark-OF Duplex SC Snap-In Adaptor Singlemode	N205.624
LANmark-OF SC Snap-In Adaptor Singlemode	N205.623
LANmark-OF Duplex LC Snap-In Adaptor Singlemode	N205.627
Coloured shutters	
Green	N421.701G
Yellow	N421.701Y
Red	N421.701R
Blue	N421.701B
Grey	N421.701GR
White	N421.701
Splice trays	
LANmark Industry iConnect Splice Cassette Heat Shrink Protectors	N42i.106
LANmark Industry iConnect Splice Cassette Aluminum Protectors	N42i.102
LANmark Industry iConnect Splice Cassette Cover Grey	N42i.104