

Datasheet

RS Pro 8 Port Sensor Box with 5 Way M12 Sockets

RS Stock No: 877-1224



Product Details

RS Pro sensor box has 8 ports and compatible 5-way M12 pin connector. It has selection of splitter boxes for M12 connecting leads, for use with sensor and automation equipment. With an excellent degree of environmental protection, this I/O junction box is suitable for harsh industrial conditions.

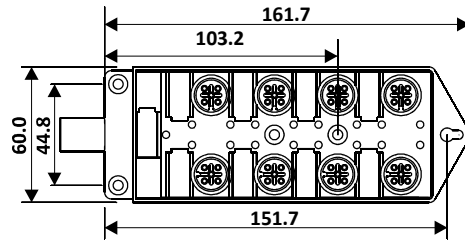
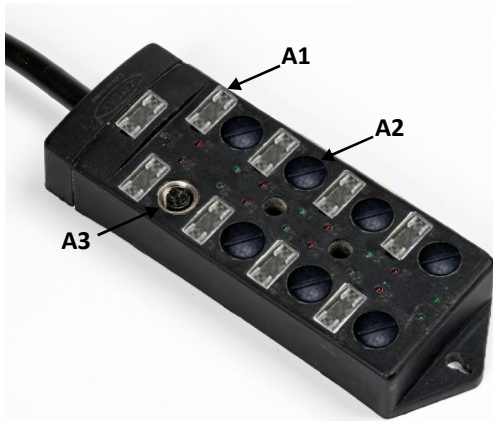
Features and Benefits

- Nickel plated brass contacts
- MODBUS and zigbee wireless models protected to IP55
- Wired and terminal block models protected to IP65/IP67
- PBT plastic housing
- Operating temperature range of 0 to +55°C
- Neoprene O-Ring

**Specifications:**

Cable Length	5 m
Compatible Connector	5-Pin M12
Connector Size	M12
Control Cable Connector	M12
Number of Ports	8
Number of Ways	5
Connection Type	Cable
Housing Material	PBT Plastic
IP Rating	IP65, IP67
Operating Temperature Range	0 to +55°C
Rated Current	2 A
Supply Voltage	24 V dc

I/O Junction Box



All dimensions are in mm.

Wire Connection

Electrical Specification

Supply	24 V DC \pm 10%
Rated Current	Max. 2A per Port
Total Rated Current	Max. 10A
Connection	Through Cable
I/Os Connection	M12, 5pin Female Socket
Port	8 (PNP Type)

Mechanical Specification

Housing Material	PBT Plastic
Material of Moulding Mass	Nylon 66
Contact Carrier Material	Nylon 66
Contact Material	Brass-Ni Plated
Contact Surface Material	Gold Plated
Material O-Ring	Neoprene
Protection	IP67

Indications

Yellow LED	POWER
Red LEDs	NC I/O (B)
Green LEDs	NO I/O (A)

Accessories

Description

A1*	Name Tag (9 Nos.) Material - PC (Transparent)
A2*	Protection Cap (8 Nos.) Material - Nylon-66 (Black)
A3 [#]	CNM12-S5SP0-BP7 (8 Nos.)

Environmental Limits

Operating Temperature	0 ... 55°C
Storage Temperature	0 ... 70°C

Cable Specification

Cable Length	5 m
Cable Type	PVC 19 Core Multi Strand
Sheath Colour	Black
Cross Section of Wire	3 x 0.5 sq. mm, 16 x 0.25 sq. mm
Cable Dia	10.8 \pm 0.1 mm
Termination	Partially Stripped

Connection Wire Diagram

Brown	24 V DC	Black	A5
Blue	GND	White - Brown	B6
Yellow	B1	Green	A6
White - Blue	A1	White - Black	B7
White	B2	White - Grey	A7
Grey	A2	White - Red	B8
Pink	B3	White - Green	A8
Red	A3	Yellow - Green	Earth
Orange	B4		
Violate	A4		
White - Yellow	B5		

