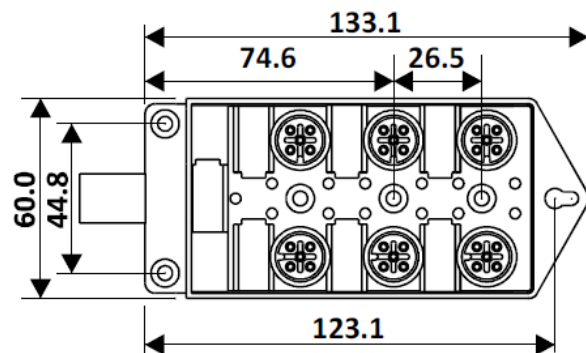Datasheet

RS Pro 6 Port Sensor Box with 5 Way M12 Sockets
RS Stock No: **877-1227**

Wire Connection

Product Details
RS Pro sensor box has 6 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.
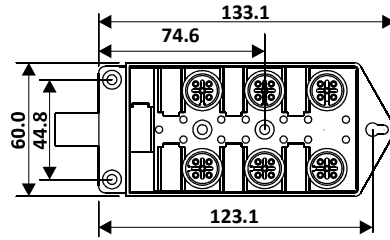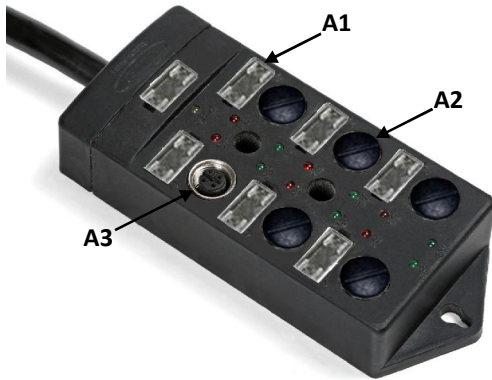
Features and Benefits
- Nickel plated brass contacts
- MODBUS and zigbee wireless models protected to IP55
- Wired and terminal block models protected to IP65/IP67
- PBT plastic housing
- Operating temperature range of 0 to +55˚C
- Neoprene O-Ring

Specifications:

Cable Length	5 m	
Compatible Connector	5-Pin M12	
Connector Size	M12	
Control Cable Connector	M12	
Number of Ports	6	
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

A1
A2
A3

133.1
74.6
60.0
44.8
123.1

All dimensions are in mm.

Electrical Specification

Supply	24 V DC ± 10%
Rated Current	Max. 2A per Port
Total Rated Current	Max. 8A
Connection	Through Cable
I/Os Connection	M12, 5pin Female Socket
Port	6 (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 (7 Nos.)
	Material - PC (Transparent)
A2*	Protection Cap (6 Nos.)
	Material - Nylon-66 (Black)
A3#	CNM12-S5SP0-BP7 (6 Nos.)

Environmental Limits

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

Cable Specification

Cable Length	5 m
Cable Type	PVC 15 Core Multi Strand
Sheath Colour	Black
Cross Section of Wire	3 x 0.5 sq. mm, 12 x 0.25 sq. mm
Cable Dia	10.8 ± 0.1 mm
Termination	Partially Stripped

Connection Wire Diagram

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

2 (B1-B6)
1 (24 V DC)
3 (GND)
5 (EARTH)
4 (A1-A6)

1 → +24VDC
Yellow
2 → (B)NC
Red
3 → GND
Green
4 → (A)NO
5 → EARTH