

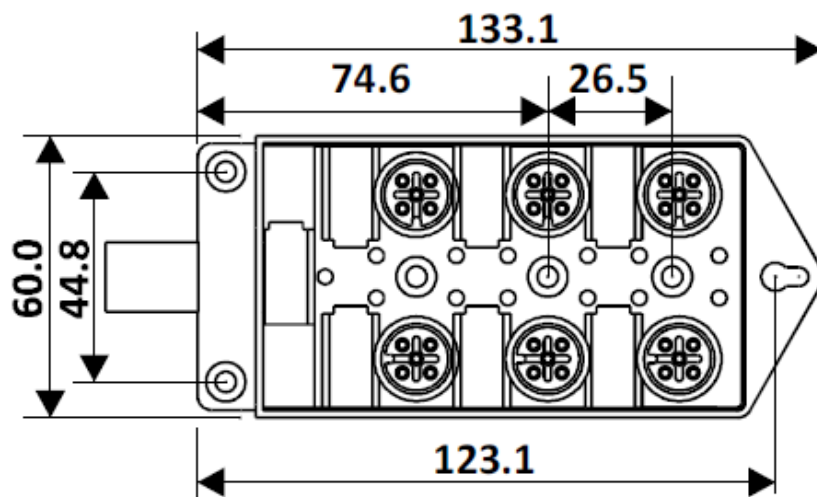
## Datasheet

# Junction Box With Wire Connection

RS Stock 877-1220



Dimensions: (mm)





## Specifications

### Electrical

Supply	24 V DC $\pm$ 10%
Rated Current	Max. 2A per Port
Total Rated Current	Max. 8A
Connection	Through Cable
I/Os Connection	M12, 5pin Female Socket
Port	6

### Mechanical Characteristics

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	IP65 / IP67

### Environment Limits

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

### Indications

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

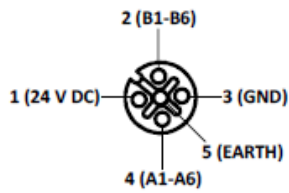
### Cable Specification

Cable Length	10 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 $\pm$ 0.1 mm
Termination	Partially Stripped

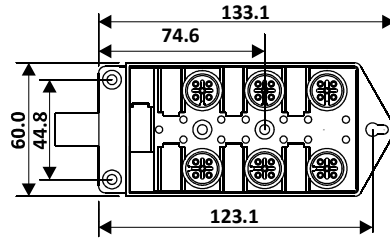
### Connection Wire Diagram

Brown	24 V DC
Blue	GND
Red	B1
Orange	A1
Yellow	B2
White - Blue	A2
Green	B3
White - Yellow	A3
Pink	B4
White - Green	A4
Violate	B5

Black	A5
Grey	B6
White	A6
Yellow - Green	Earth



# 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. 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 <sup>#</sup>	CNM12-S5SP0-BP7 (6 Nos.)

## Environmental Limits

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

## Cable Specification

Cable Length	10 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 $\pm$ 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		

