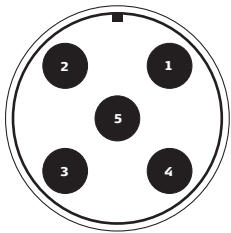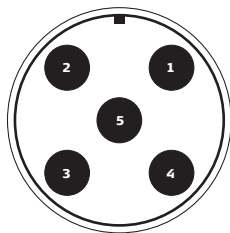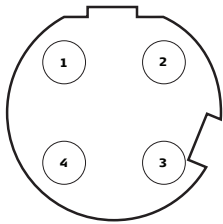# Smart Junction Box SJB2X
Data Sheet

Smart junction box is the main connection point that distributes power and communication between all components connected like sensors and panels.

A) M12 male, 5-pin

B) M12 male, 5-pin

C) M12 female, 4-pin

D) M12 female, 4-pin

Environmental Data

Water/Dust rating	IP67
Operation temperature	-40°C to 85°C
Storage temperature	-40°C to 125°C

Mechanical Data

Weight	600 g
Dimensions	161 x 71 x 38 mm
Material	Cast aluminium
Colour	Black RAL 9005
Surface treatment	Powder paint

Compliance

CE	2014/30/EU EMC 2011/65/EU RoHS - (EU) 2015/863 2012/19/EU WEEE
FCC	Part 15, Class B

Standards

EMC	ISO13766-1:2018 ISO13766-2:2018
Mechanical	EN/ISO 12100:2010

Electrical

Voltage range	9VDC - 34VDC
Current consumption	210mA @ 24VDC
Power output	4 A
Physical interface	5 pin M12 male connector 5 pin M12 male connector 4 pin M12 D-coded female connector 4 pin M12 T-coded female connector

Pin assignment

	A) CAN 1, No termination	B) CAN 2, No termination	C) Ethernet	D) Automotive Ethernet
1	Battery +	Power Out+	TD+	T1-P
2	CAN-H	CAN-H	RD+	T1-N
3	Battery -	Battery -	TD-	Battery +
4	CAN-L	CAN-L	RD-	Battery -
5	Power enable	Power enable		

 HEXAGON | **Leica** Geosystems