

Technical data

Mounting type	Rear mount
Panel seal	O-ring
Mounting Thread B	M18 × 0.75
Locknut	Brass, CuZn, Nickel-plated
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67

Cable data	
Cable ID	RF50996
Total number of conductors	19
Cable diameter	Ø 8.38 mm
Length (L)	0.9 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPU, Black
Shielding	Aluminum/polyester (IN), 24 AWG, TC (Tinned Copper)
Conductor diameter	0.048 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	19 x 22 AWG [Similar to 0.34 mm²]
Number of strands x O.D.	19 x 0.0058 "
Conductor colors	YE, GY, RD, WH, VT, GY/BN, OG, BN, TN, BU, YE/BN, GN, WH/YE, PK, BN/ GN, BK, WH/GN, RD/BU, GY/PK

Electrical properties at +20 °C	
Rated voltage	30 VDC
Current	2 A per signal contact, total current 6 A

Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 15 x Ø
UL cold bend rating	-40 °C
Ambient temperature range (static)	-40...+85 °C
Ambient temperature range (dynamic)	-40...+85 °C
Temperature range (installation)	-20...+85 °C

Approval	
Approvals	CE UKCA RoHS

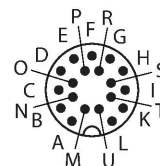
Note	
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- Flex ratings may be reduced if used in extreme temperatures, exposure to

I/O Connector



Homerun connector



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certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- We reserve the right to make technical alterations without prior notice.

Scope of delivery

Device	Quantity	Description
Junction boxes	1	Passive actuator/sensor junction box
PSGM-CC	2	Closure caps for M8 female connectors
KS5/10	9	Labels

Accessories

Ident-No.	Part Number	Description
U0915-69	BKM 19-995-5	Connection cordset, female, M16, 19-pin, straight, 5m * (homerun)
U2-07160	BK 19-0	Field-wireable, female, M16, 19-pin, straight, (6-8mm)
A1050	KS 5/10 (10/LABELS)	Labels
U0136-00	PSG 4M-2	Cordset, male, M8 x 1, 4-pin, straight, 2m * (I/O port)
U99-11408	PSW 4M-2	Cordset, male, M8 x 1, 4-pin, right-angle, 2m * (I/O port)
U6427	PSGM-CC (8/BAG)	Dust cap, male, M8 x 1, Plastic, (8/BAG)
A900154	TORQUE-WRENCH-SET-M12&M8-LEGACY	Torque wrench set, Torque driver, torque setting tool, M12 fitting, M8 fitting.
A900102	PICOBX ADAPTOR PLATE, 8 PORT (1PACK)	Allows new picobox to utilize the previous version mounting hole locations.

* Other lengths available on request

Circuit Diagram

