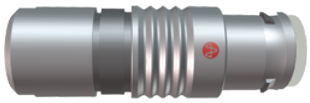
PRODUCT DATASHEET (1/1)

CIRCULAR PUSH-PULL CONNECTOR Y-CIRC P

Part Number	**YCP-TPB09ACX-06MSCBX-051X**	**Order Number:**	**80-01321**
Name	**Straight cable plug with standard back nut**		

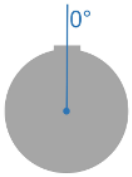
Connector Details

Connector Type Digit	PB
Series	T (IP68)
Housing Surface	Chrome
Insulator Material	PEEK (UL)
Housing Material	Brass
O-Ring Material	----
Potting Material	----
Positioning Plate Mat.	----
RoHS	2011/65/EU (2015/863/EU)
Size	Size 09
Housing Variant	Standard
Insulator Variant	Standard



This picture is a schematic representation of the assembled connector and can change depending

Coding: A (1 key at 0°)



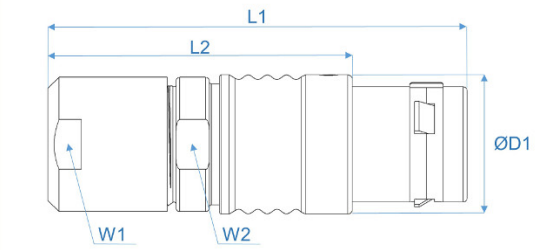
Parameters

IP Grade (to contact)	IP68 *)	(According IEC 60529)
IP Grade (to housing)	IP50	(According IEC 60529)
Mating Cycles	5000	(According DIN EN 60512-9-1)
Max. operating temperature	+120°C	(According MIL-STD 810F, Method 501.4; 74 hours)
Min. operating temperature	-20°C	(According MIL-STD 810F, Method 502.4; 16 hours)
Short Term Max. Temp	+200°C	(According J-STD-002D/ J-STD-020D)
Vibration	20 g [10 Hz - 2000 Hz]	(According DIN EN 60512-6-4)
Shock Resistance	50 g [6 ms]	(According DIN EN 60512-6-3)
Salt Spray Corrosion	>144 h	(According DIN EN 60512-11-6)
Shielding (10 MHz)	>75dB	
Shielding (1 GHz)	>55dB	

**) IP68 achievement with round cables and correct assembled cable exit*

Dimensions [mm]

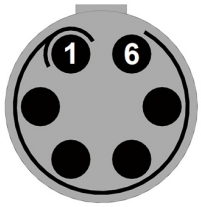
D1= 9.3 **L1=** ~37.5 **W1=** 8.0
L2= ~27.4 **W2=** 8.0



Contact

Pin Count	6 Pins
Contact Diameter	0.5 mm
Terminal Cross Section	Max AWG 28 / 0.09 mm²
Current Rating [A]	2.5 (for ambient temp. + temp. rise < max. operating temp.) Max current rating depends in most cases on the conductor or PCB dimensions; Caution: Do not disconnect under load.
Contact Type	Male: Solder Contacts
Contact Material and Surface	CuZn38Pb2; min 0.75µm Au
Grounding Material and Surface	----; ----
Test Voltage [kV rms] Contact-Contact	0.98
Test Voltage [kV rms] Contact-Shell	0.78
Contact Resistance	<9.5mΩ

Pin Layout (Terminal View)



Cable Exit

Collet type	051
Cable diameter range:	>4.5 to 5.1 mm
Material Cable Sealing	FKM, black

Dimensions [mm]

D1= 5.1
D2= >4.5
D3= 5.7