

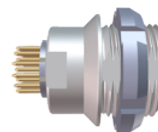
# PRODUCT DATASHEET (1/1)

## CIRCULAR PUSH-PULL CONNECTOR Y-CIRC P

<b>Part Number</b>	<b>YCP-TWD12ACX-02FPKZX-000X</b>	<b>Order Number:</b>	<b>80-01963</b>
<b>Name</b>	<b>Wall mounted socket - backward mounting</b>		

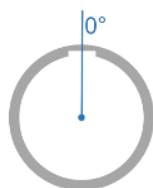
### Connector Details

Connector Type Digit	WD
Series	T (IP68)
Housing Surface	Chrome
Insulator Material	PEEK (UL)
Housing Material	Brass
O-Ring Material	FKM, black
Potting Material	----
Positioning Plate Mat.	----
RoHS	2011/65/EU (2015/863/EU)
Size	Size 12
Housing Variant	Standard
Insulator Variant	Standard



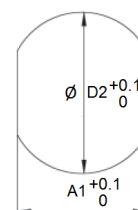
This picture is a schematic representation of the assembled connector and can change depending

### Coding: A (1 key at 0°)



### Panel Cut Out - Dimensions

No Accessory:	PC1
	<b>A1= 10.6</b>
	<b>D2= 12.1</b>
With YCP-AIW12...:	PC2
(Insulating Colour Coding Washer)	
	<b>A1= 12.3</b>
	<b>D2= 13.9</b>

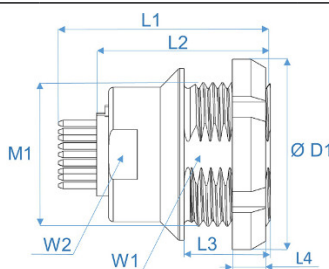


### Parameters

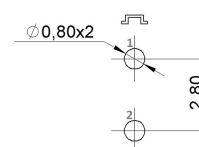
IP Grade (to contact)	IP68	(According IEC 60529)
IP Grade (to housing)	IP50	(According IEC 60529)
Mating Cycles	5000	(According DIN EN 60512-9-1)
Max. operating temperature	+120°C	(According MIL-STD 810F, Method 501.4; 74 hours)
Min. operating temperature	-20°C	(According MIL-STD 810F, Method 502.4; 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	

### Dimensions [mm]

<b>D1= 16.0</b>	<b>L1= 21.9</b>	<b>W1= 10.5</b>
	<b>L2= 17.9</b>	<b>W2= 10.0</b>
	<b>L3= 11.0</b>	
	<b>L4= 3.5</b>	
	<b>M1= M12x1.0</b>	



### Rec. PCB layout (Top view)



### Contact

Pin Count	2 Pins
Contact Diameter	1.3 mm
Terminal Print Diameter	Ø 0.7 mm
Current Rating [A]	15.0 (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	Female: Print Contacts
Contact Material and Surface	CuZn38Pb2; min 0.75µm Au
Grounding Material and Surface	----; ----
Test Voltage [kV rms] Contact-Contact	1.55
Test Voltage [kV rms] Contact-Shell	0.99
Contact Resistance	<4.0mΩ

### Pin Layout (Terminal View)

