

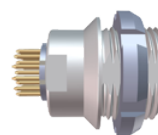
PRODUCT DATASHEET (1/1)

CIRCULAR PUSH-PULL CONNECTOR Y-CIRC P

Part Number	YCP-TWD12ACX-07FPEZX-000X	Order Number:	80-02596
Name	Wall mounted socket - backward mounting		

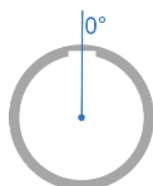
Connector Details

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



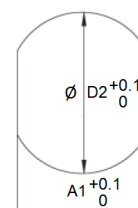
This picture is a schematic representation of the assembled connector and can change depending

Coding: A (1 key at 0°)



Panel Cut Out - Dimensions

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

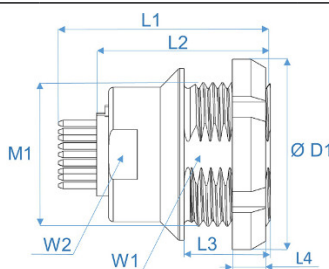


Parameters

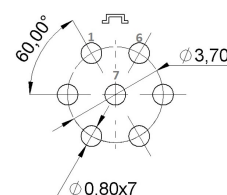
IP Grade (to contact)	IP68	(According IEC 60529)
IP Grade (to housing)	IP50	(According IEC 60529)
Mating Cycles	5000	(According DIN EN 60512-9-1)
Max. operating temperature	+120°C	(According MIL-STD 810F, Method 501.4; 74 hours)
Min. operating temperature	-20°C	(According MIL-STD 810F, Method 502.4;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

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



Rec. PCB layout (Top view)



Contact

Pin Count	7 Pins
Contact Diameter	0.7 mm
Terminal Print Diameter	Ø 0.7 mm
Current Rating [A]	7.0 (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	1.25
Test Voltage [kV rms] Contact-Shell	0.80
Contact Resistance	<6.5mΩ

Pin Layout (Terminal View)

