

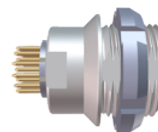
PRODUCT DATASHEET (1/1)

CIRCULAR PUSH-PULL CONNECTOR Y-CIRC P

| | | | |
|-------------|---|---------------|----------|
| Part Number | YCP-TWD12ACX-08FPEZX-000X | Order Number: | 80-02579 |
| Name | Wall mounted socket - backward mounting | | |

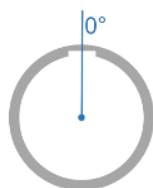
Connector Details

| | |
|------------------------|--------------------------|
| 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 |



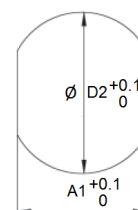
This picture is a schematic representation of the assembled connector and can change depending

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 |

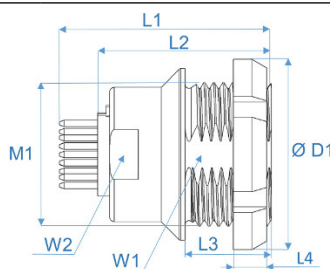


Parameters

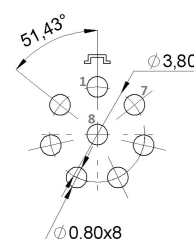
| | | |
|----------------------------|------------------------|--|
| IP Grade (to contact) | IP68 | (According IEC 60529) |
| IP Grade (to housing) | IP50 | (According IEC 60529) |
| Mating Cycles | 5000 | (According DIN EN 60512-9-1) |
| Max. operating temperature | +120°C | (According MIL-STD 810F, 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 | 8 Pins |
| Contact Diameter | 0.7 mm |
| Terminal Print Diameter | Ø 0.7 mm |
| Current Rating [A] | 5.0 (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 | 1.02 |
| Test Voltage [kV rms] Contact-Shell | 0.78 |
| Contact Resistance | <6.5mΩ |

Pin Layout (Terminal View)

