



# DATA SHEET

## M9 Male Sensor Connector for Cable Mount

### Serie: T61C010

<b>M9 Male Sensor Connector for Cable Mount</b>	
Serie No.:	<b>T61C010</b>
Customer:	

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	12.03.2024
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5



**Contact**



**Technical Description**

**Description and Applications**

Sensor Connector	Size M9
Number of Position	2,3,4,5,6,7,8
Pin-Type:	Male
Orientation:	
Wire Termination:	Wire Soldering
Rated current	Look number of Positions
Rated Voltage	Look number of Positions
Insulation Resistance:	≥ 100MΩ
Contact Resistance:	≤ 5mΩ
Temperature Range:	.-25°C to + 90°C
Material Connector Contacts:	Brass
Contact Plating:	Gold Plated 3μ
Material Insert / Housing:	Nylon 66 + GF or PA
Coupling Nut / screw:	Brass with nickel plated
Shielding:	Shielded
Protection Degree:	IP68 in locked status
Overmould/ Shell:	Metal shell
Screw / Nut Material:	Brass C3604 w 120μ" nickel Plated CNC Parts
Material Female Contacts:	Phosphor Bronze C5441 w. 3μ gold plated on nickel base, machined sold pin
Flame retardant degree:	UL94V-0
Sealing:	O-ring ( Rubber)
Norm:	IEC 61076-2-101
Lifetime:	>500 Cycles

EDCON offer a complete line of M8 panel mount connector solutions for enclosure, panel and PCB applications. These M8 connector are offered in both versions Male & Female and are rated to IP67. These connector are designed for both front mounting and rear mounting with PG9 panel locking thread.

Standard sensor, actuator, encoder, servo motors  
 Factory automation and process control  
 Fieldbus: DeviceNet, CANopen, Profibus, Ethernet, NMEA 2000  
 Industrial instrumentation  
 Packaging, labeling and logistic devices  
 Industrial safety light curtain, light grid, switches  
 Commercial electronics PCBA  
 Power supply  
 LED display panel & outdoor LED lighting

					Tolerances unless otherwise specified (mm)					<b>M9 Male Sensor Connector for Cable Mount</b>
					<b>X=</b>	<b>X.X=</b>	<b>X.XX=</b>	<b>X.XXX=</b>	<b>Angle</b>	
					±0,35	±0,25	±0,20	±0,15	±5°	Part No.: <b>T61C010</b>
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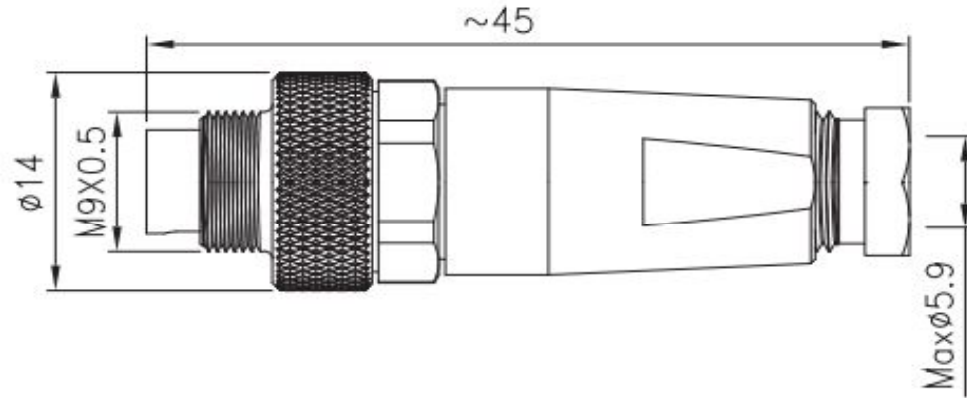
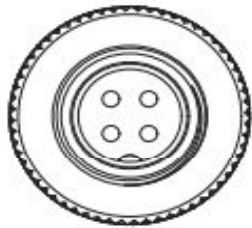


**Contact**



Number of contacts	2	3	4	5	6	7	8
Rated Voltage (V) AC	125	125	125	125	125	125	125
Rated Current (A)	4	4	3	3	1	1	1
Contact Resistance	≤3 mΩ						
Degree of Protection	IP68						
Mechanical Operation	> 200cycles						
Temp. Range	-25°C to +90°C						
Polution Degree	3						
Wire Gauge (AWG)	24	24	24	24	26	26	26
Wire Size (mm²)	0,25	0,25	0,25	0,25	0,14	0,14	0,14

No.	Specification	Unit	Qty.
6	Interface seal, FKM green	PCS	1
5	Contact CuSn gold plated	PCS	x
4	Contact body, PA66 + GF , black	PCS	1
3	Panel O ring, NBR, black	PCS	1
2	Base Shell, CuZn nickel plated	PCS	1
1	Coupling shell, CuZn nickel plated	PCS	1



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Ordering Informations

Serie	No. of Pos.	Contact Plating	Cable Material	ROHS	Packing Code	Customer	Special			
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<b>T61C010</b>	<b>03</b>	<b>AU</b>	<b>00</b>	<b>R</b>	<b>BU</b>	<b>xxxxxx</b>	<b>xx</b>			
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<b>02= 2Pos.</b>	<b>AU=</b> Gold-Plated 3µ	<b>00=</b> without Cable	<b>R=</b> ROHS Conform	<b>BU=</b> Bulk-Ware into Box					
<b>03= 3Pos.</b>		<b>PV=</b> PVC	<b>N=</b> NON ROHS Conform	<b>TY=</b> Tray Package					
<b>04= 4Pos.</b>		<b>PU=</b> PUR		<b>IV=</b> Individual Package					
<b>05= 5Pos.</b>		<b>TP=</b> TPU							
<b>06= 6Pos.</b>		<b>RU=</b> RU							
<b>07= 7Pos.</b>		<b>PT=</b> PTFE							
<b>08= 8Pos.</b>									

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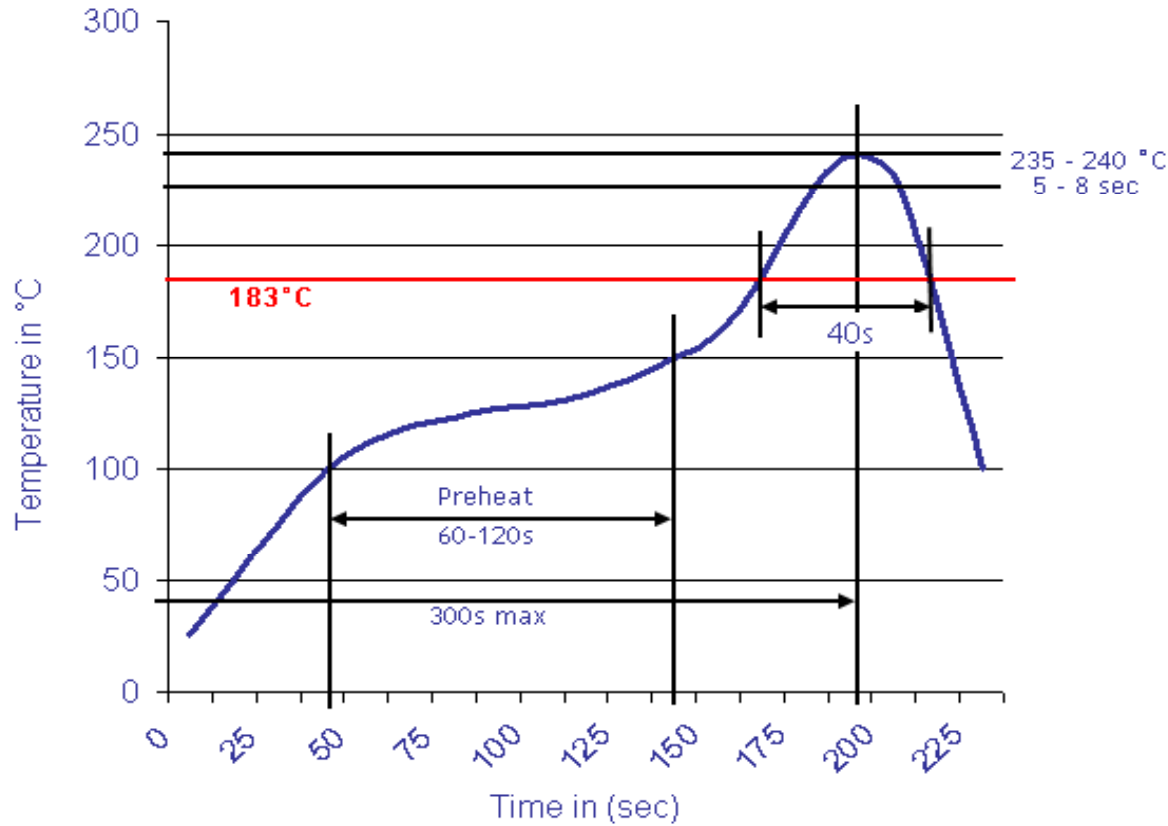


RoHS Lead Free



### Soldering Profile Curve

## Classification Reflow Profile (JEDEC J-STD-020C)



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