



DATA SHEET

M12 Sensor Connector for Cable Mounting

Serie: T61E215

**M12 Sensor Connector for
Cable Mounting**

Serie No.: **T61E215**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	02.03.2025	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.		1 from 5	

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Contact



Technical Description

Sensor Connector	Size M12
Number of Position	2P ~ 17P
Coding	Type A
Pin-Type:	Female
Orientation:	Straight
Wire Termination:	Wire Soldering
Rated current	Look number of Positions
Rated Voltage	Look number of Positions
Insulation Resistance:	Look number of Positions
Contact Resistance:	Look number of Positions
Temperature Range:	.-40°C to + 85°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 solder pin
Flame retardant degree:	UL94V-0
Norm:	IEC 61076-2-101
Lifetime:	>200 Cycles

Description and Applications

EDCON offer a complete line of M12 Wire mount connector solutions for enclosure, panel and PCB applications. These M12 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)					M12 Sensor Connector for Cable Mounting Part No.: T61E215 Customer:
					X=	X.X=	X.XX=	X.XXX=	Angle	
					±0,35	±0,25	±0,20	±0,15	±5°	
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Number of contacts	2	3	4	5	6	7	8	9	12	14	17
Rated Voltage (V) AC	260	260	260	260	260	130	130	130	60	60	60
Rated Current (A)	8	8	8	8	8	5	5	5	3	3	3
Contact Resistance: mΩ	12	12	12	12	12	6	6	6	6	6	6
Test Voltage (V) AC	1500	1500	1500	1500	1500	1000	1000	1000	1000	1000	1000
Insulation Resistance: MΩ	1500	1500	1500	1500	1500	1000	1000	1000	1000	1000	1000
Solder Inner Diameter (mm)	1	1	1	1	1	0,5	0,5	0,5	0,5	0,5	0,5
Degree of Protection	IP68										
Mechanical Operation	> 200cycles										
Temp.Range	-40°C to +80°C										



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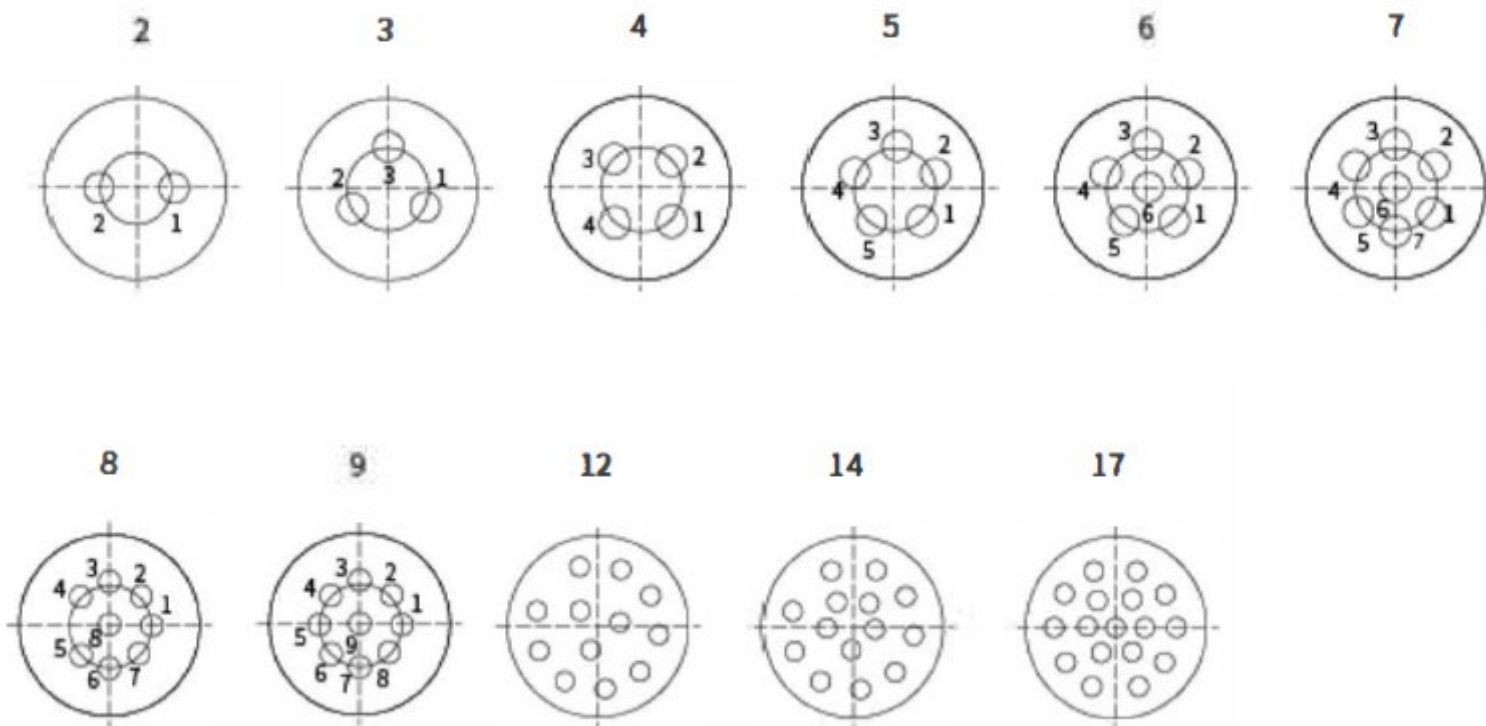
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Contact Arrangement



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Ordering Informations

Serie	No. of Pos.	Contact Plating	Insulator Colour	Special function	Special function	ROHS	Packing Code			
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T61E215	-	02	AU	BK	NN	NN	R	TY		
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02= 2Pos.	AU= Gold-Plated 3µ		NN= No special function	NN= No special function	R= ROHS Conform	TY= Tray Package			
03= 3Pos.		BK= Black			N= NON ROHS Conform	IV= Individual Package			
04= 4Pos.									
05= 5Pos.									
06= 6Pos.									
07= 7Pos.									
08= 8Pos.									
09= 9Pos.									
12= 12Pos.									
14= 14Pos.									
17= 17Pos.									

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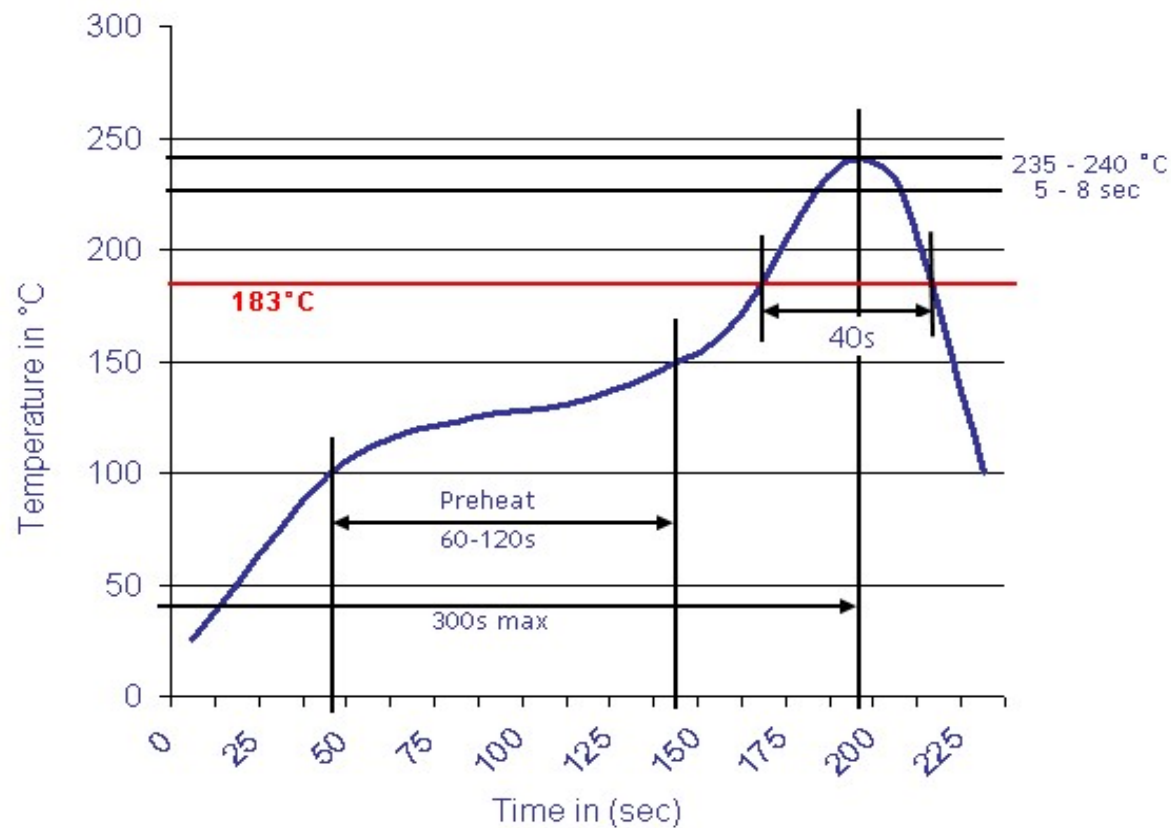


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Soldering Profile Curve

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


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