



DATA SHEET

M12 Female Connector with Molded Cable Mounting

Serie: T61E003

**M12 Female Connector with
Molded Cable Mounting**

Serie No.: **T61E003**

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	Look number of Positions
Coding	Look Specifiacion off Positions
Pin-Type:	Male
Orientation:	Straight
Wire Termination:	Cable 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:	TPU / PA
Coupling Nut / screw:	Brass with nickel plated
Shielding:	Shielded
Protection Degree:	IP68 in locked status (Screw-Type)
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:	>500 Cycles
Connector Overmould Material:	TPU

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 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 Female Connector with Molded Cable Mounting
					X=	X.X=	X.XX=	X.XXX=	Angle	
					±0,35	±0,25	±0,20	±0,15	±5°	Part No.: T61E003
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Number of contacts	2	3	4	5	6	7	8	9	12	14	17
Available Coding Type		A,B,C	A,B,C, D	A,B,C	C		A		A		A
Rated Voltage (V) AC		250	250	60	30		30		30		30
Rated Voltage (V) DC		250	250	60	30		30		30		30
Rated Current (A)		4	4	4/C=2	2		2		1,5		1,5
Wire Size AWG		22	22	22	22/24		24		26		26
Wire Size mm²		0,34	0,34	0,34/ C=0,25	0,25		0,25		0,14		0,14
Contact Resistance: mΩ		5	5	5	5		5		5		5
Insulation Resistance: MΩ		100	100	100	100		100		100		1000
Degree of Protection	IP68, IP69K in looked position										
Mechanical Operation	> 500cycles										
Temp.Range	.-40°C to +80°C										
Shielding:	unavailable										

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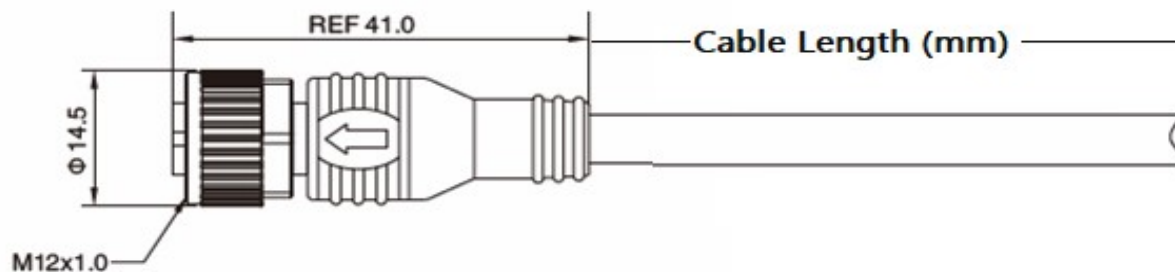


Contact



Coding / Contact Arrangement

No off Pos.	Available Coding			
	A	B	C	D
3				
4				
5				
6				
8				
12				
17				



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Ordering Informations

Serie	No. of Pos.	Connector Code	Insulator Colour	Cable Length	Specification of Cable	Isolation Colour Cable	Specification Side 2	ROHS	Packing Code	
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T61E003	-	02	A	BK	301	PC	BK	A0	R	BD
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	A= Code A		NN= No special function	PU= Material PUR	BK= Isolation Colour Black	A0= Cutted Ends	R= ROHS Conform	BD= Bundle Package	
03= 3Pos.	B= Code B	BK= Black	Example: 300 = 30mm	PC= Material PVC	GN= Isolation Colour Green	A1= 50mm Open end 3mm tinned ends	N= NON ROHS Conform	IV= Individual Package	
04= 4Pos.	C= Code C		Example: 301 = 300mm		VL= Isolation Colour Violatt	A2= 60mm Open end 3mm tinned ends			
05= 5Pos.	D= Code D		Example: 202 = 2000mm			A3= 70mm Open end 3mm tinned ends			
06= 6Pos.									
08= 8Pos.									
12= 12Pos.									
17= 17Pos.									

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