

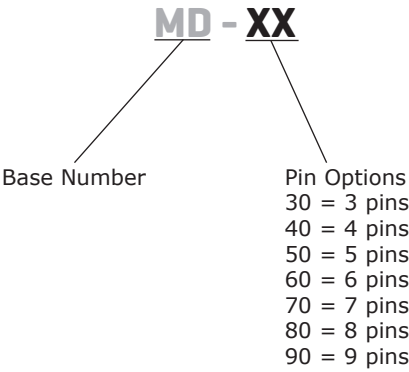
SERIES: MD | DESCRIPTION: MINI DIN CONNECTOR

FEATURES

- 3~9 pins
- plastic strain relief
- rated voltage: 100 Vac



PART NUMBER KEY

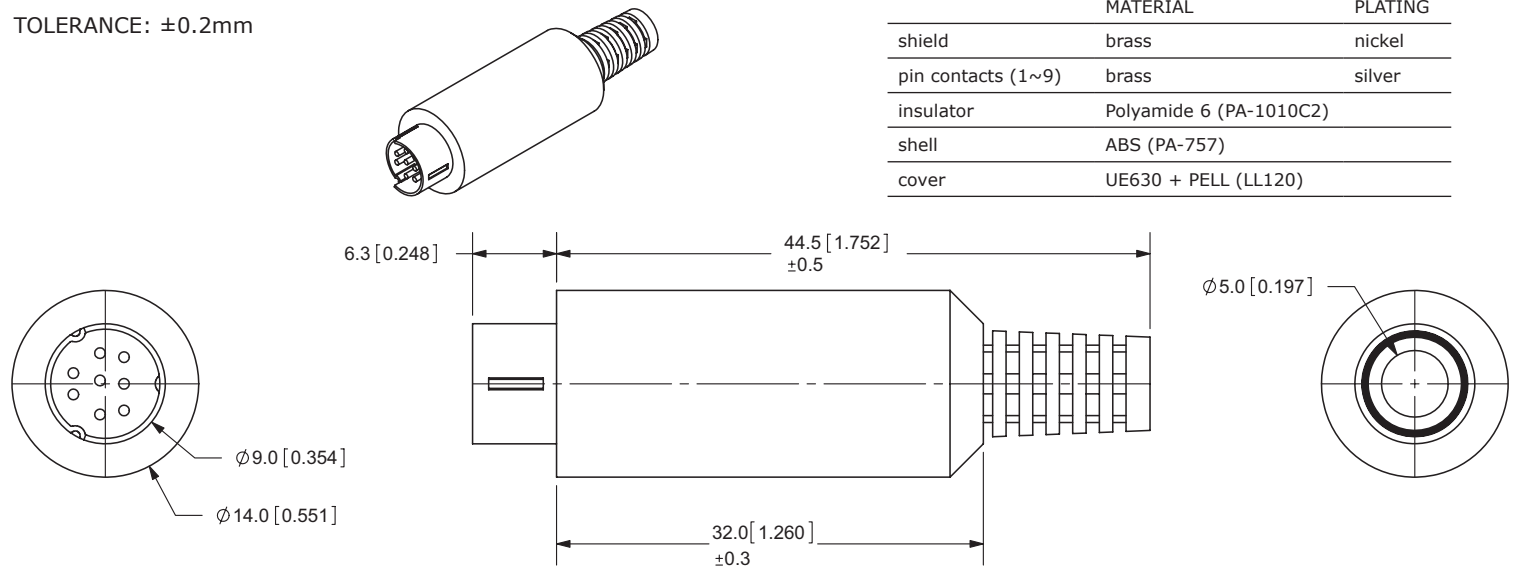


SPECIFICATIONS

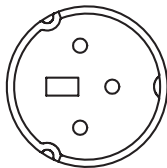
parameter	conditions/description	min	typ	max	units
rated input voltage			100 12		Vac Vdc
rated input current	at 100 Vac at 12 Vdc			1 2	A A
contact resistance				30	mΩ
insulation resistance	at 250 Vdc	50			MΩ
voltage withstand	for 1 minute			250	Vac
insertion force				4.5	kg
withdrawal force		0.9		3	kg
operating temperature		-20		105	°C
life			5,000		cycles
RoHS	yes				

MECHANICAL DRAWINGS

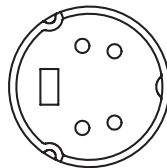
units: mm[inches]

TOLERANCE: $\pm 0.2\text{mm}$ 

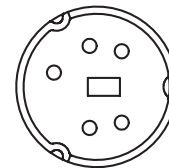
MD-30



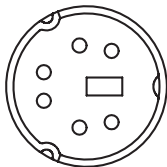
MD-40



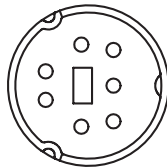
MD-50



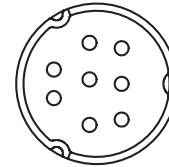
MD-60



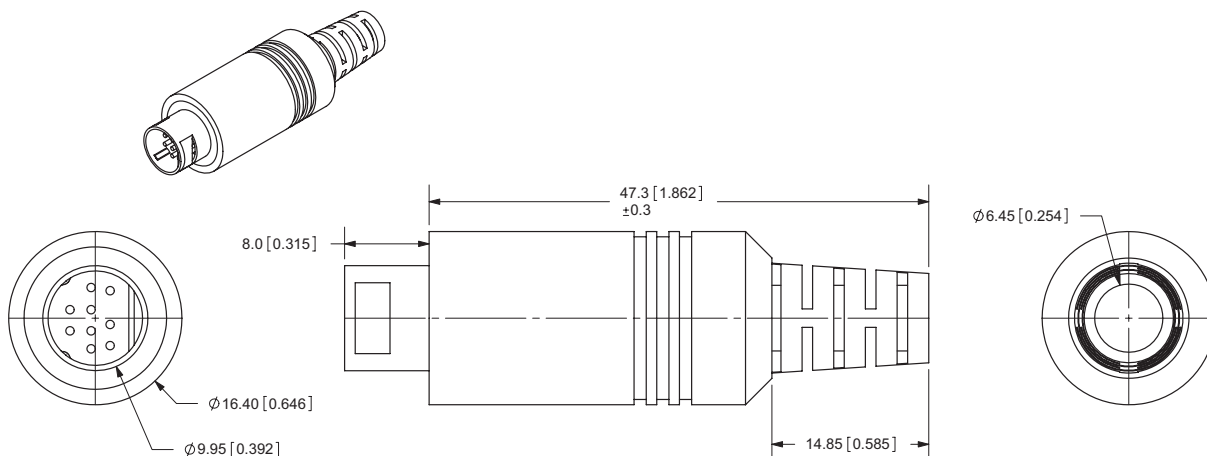
MD-70




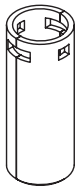
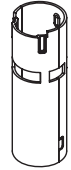


MD-80

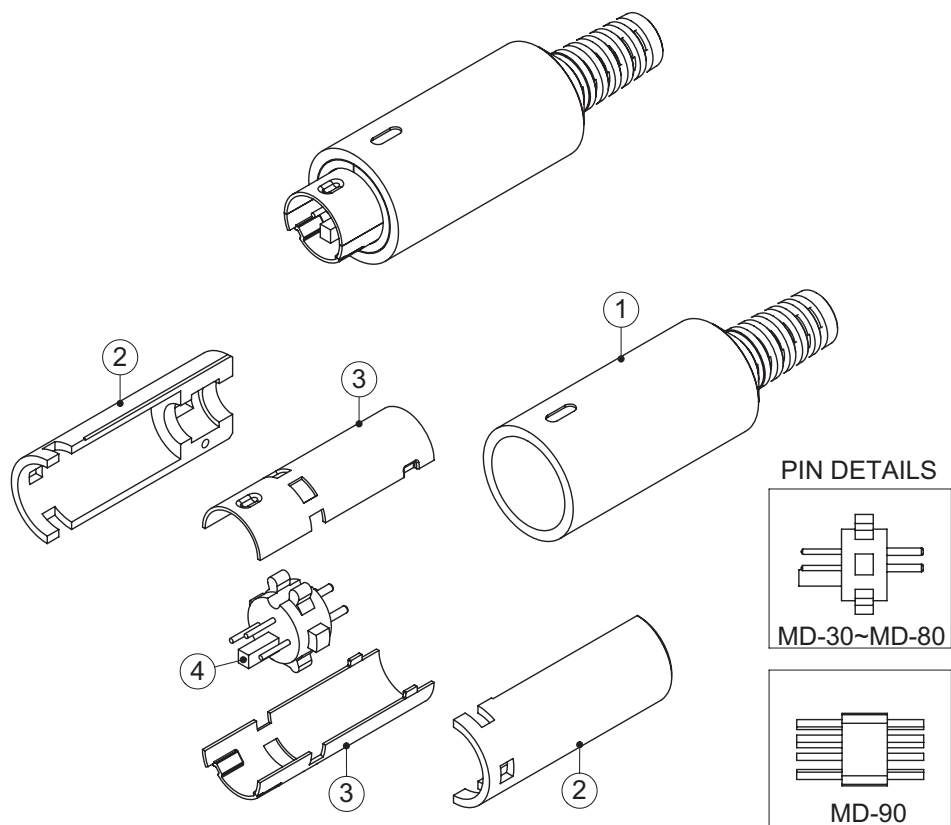


MD-90

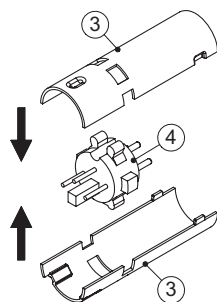


MECHANICAL ASSEMBLY

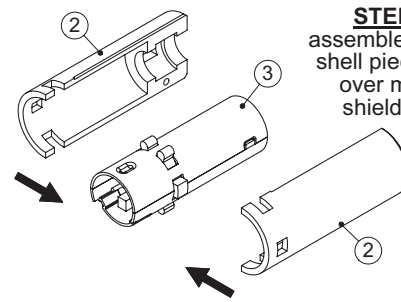
1	cover	
2	plastic shell	
3	metal shield	
4	housing	 MD-30~MD-80
4	housing	 MD-90



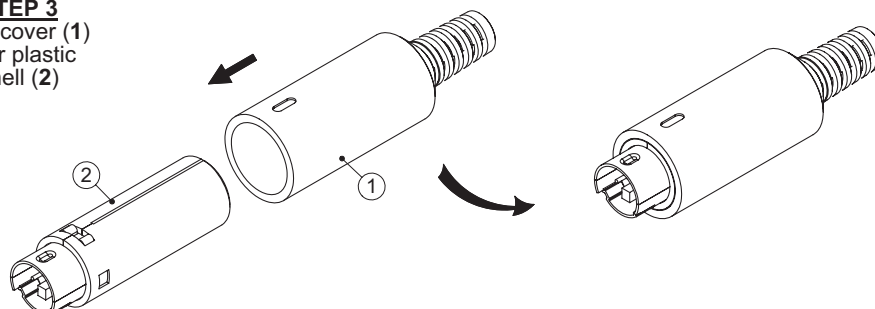
STEP 1
solder wires to
housing (4),
assemble metal
shield pieces (3)
onto housing (4)



STEP 2
assemble plastic
shell pieces (2)
over metal
shield (3)



STEP 3
slide cover (1)
over plastic
shell (2)



Note:

1. The mechanical assembly is a general graphical representation only. Specific models will differ in actual appearance.
2. The metal shield for MD-90 is a single piece in which the pin housing slides into shield for assembly.

REVISION HISTORY

rev.	description	date
1.0	initial release	04/06/2006
1.01	updated dimensions	02/27/2008
1.02	added tolerance	12/01/2009
1.03	added insertion and withdrawal force	05/19/2010
1.04	new template applied	04/09/2012
1.05	updated housing	04/24/2012
1.06	added 9 pin model detail	06/08/2017
1.07	brand update	02/21/2020

The revision history provided is for informational purposes only and is believed to be accurate.

CUI DEVICES

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