SERIES: MD | DESCRIPTION: MINI DIN CONNECTOR

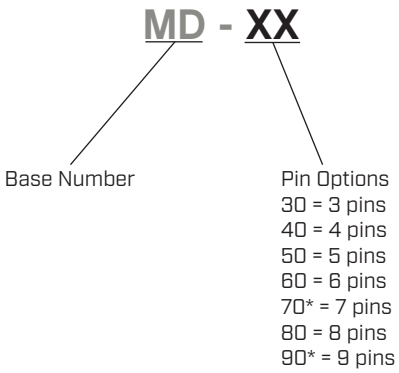
FEATURES

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



RoHS

PART NUMBER KEY



Note: *. Discontinued MD-70 & MD-90 models.

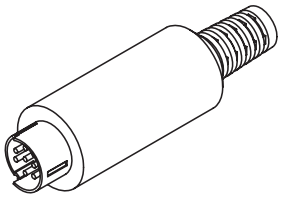
SPECIFICATIONS

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				

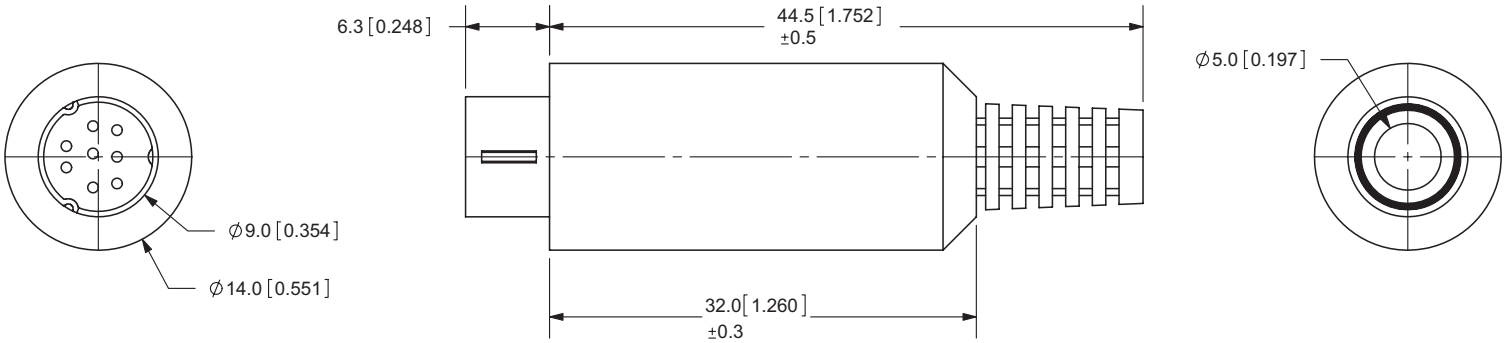
MECHANICAL DRAWINGS

units: mm[inches]

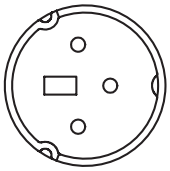
TOLERANCE: ±0.2mm



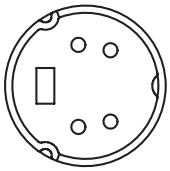
	MATERIAL	PLATING
shield	brass	nickel
pin contacts (1~9)	brass	silver
insulator	Polyamide 6 (PA-1010C2)	
shell	ABS (PA-757)	
cover	UE630 + PELL (LL120)	



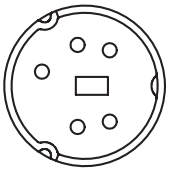
MD-30



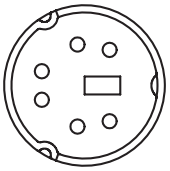
MD-40



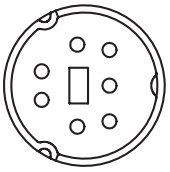
MD-50



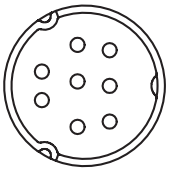
MD-60



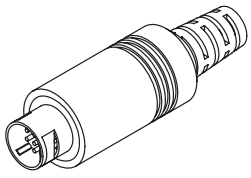
MD-70

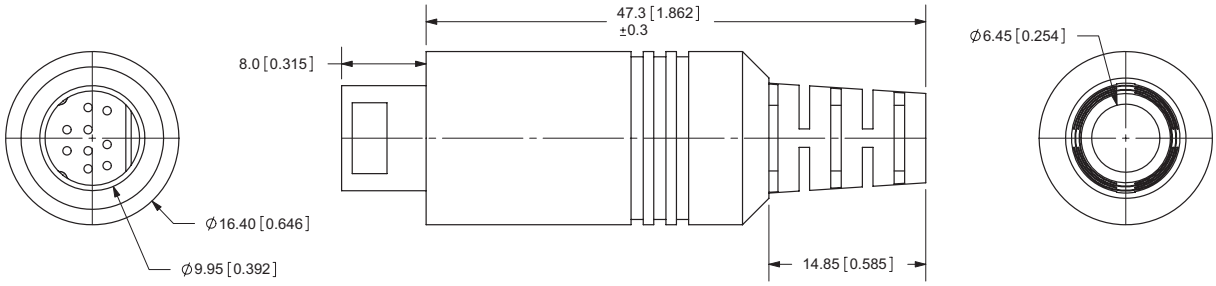


MD-80

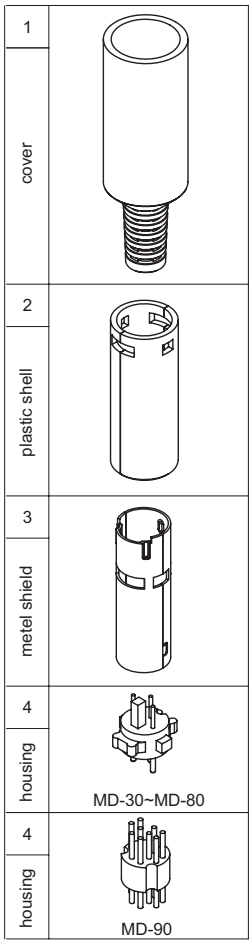


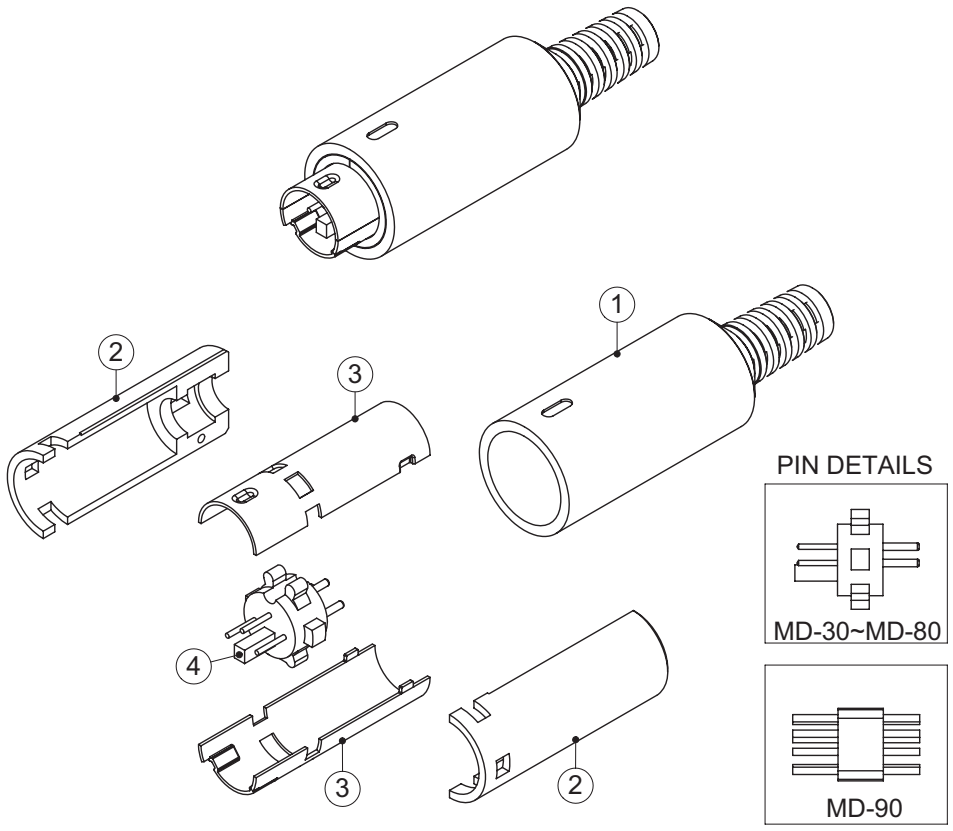
MD-90



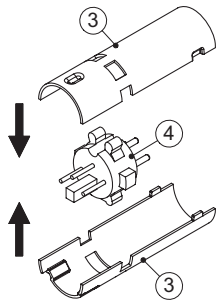


MECHANICAL ASSEMBLY

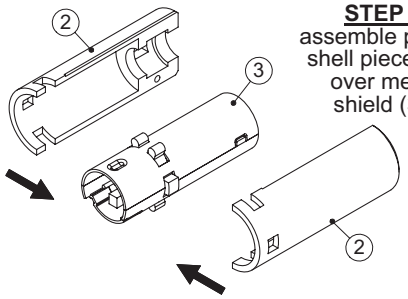




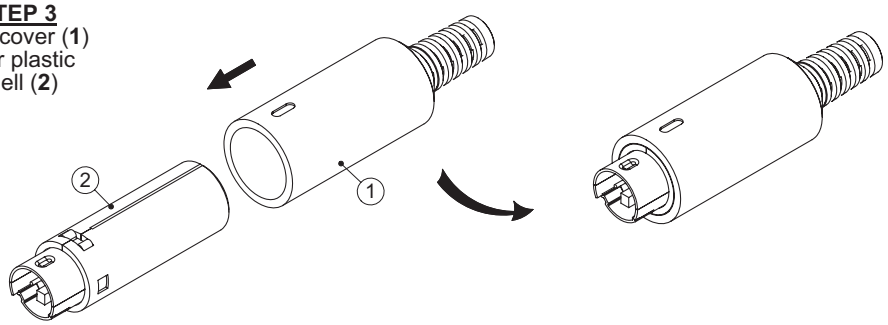
STEP 1
solder wires to housing (**4**), assemble metal shield pieces (**3**) onto housing (**4**)



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 genral 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
1.08	logo, datasheet style update	08/05/2022
1.09	discontinued models MD-70 & MD-90	09/26/2022

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

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