

Connectors

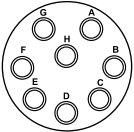
12E8/12D8 (Shell size 12, 8x20)



Connector part number

UTGX 12E8/12D8

8 contacts
4.5A/250V
per UL 1977 with
AWG20 wire



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Hand solder electrical contacts loaded see page 84	Square flange receptacle	Without (Fig. 1)	UTGX012E8P	UTGX012E8S
	Plug	Without (Fig. 2)	UTGX612E8P	UTGX612E8S
		Cable gland (Fig. 3)	UTGX6JC12E8P	UTGX6JC12E8S
	Jam nut receptacle	Without (Fig. 4)	UTGX712E8P	UTGX712E8S
PCB contacts loaded see page 84	Square flange receptacle	Without (Fig. 1)	UTGX012D8P	UTGX012D8S
	Jam nut receptacle with stand off and without hold down clip	Without (Fig. 5)	UTGX712D8P	UTGX712D8S
	Jam nut receptacle with stand off and with hold down clips	Without (Fig. 6)	UTGX712D8P32	UTGX712D8S32

For discrimination/keying methods see page 154

Sealed unmated

Overmoulded cable assembly part numbers

Overmoulding type	Connector type	Wire size (mm ²)	Harmonized cable part number ⁽¹⁾	Part number (length: 1 m.)*	
				Male plug	Female plug
Straight ending	Plug	1.5	H05 VV - F 3x1.5	HAUTGX12E8PST1M	HAUTGX12E8SST1M
Right angle ending	Plug	1.5	H05 VV - F 3x1.5	HAUTGX12E8PRA1M	HAUTGX12E8SRA1M

(1) Other cable available on demand

* Other lengths available on demand

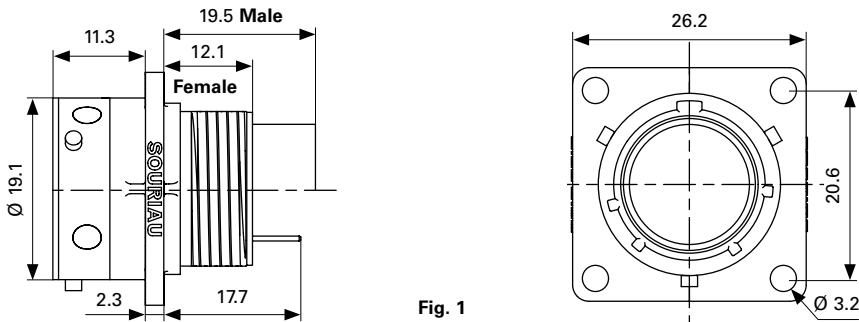
Note: Overmoulded cable assembly dimensions available page 145

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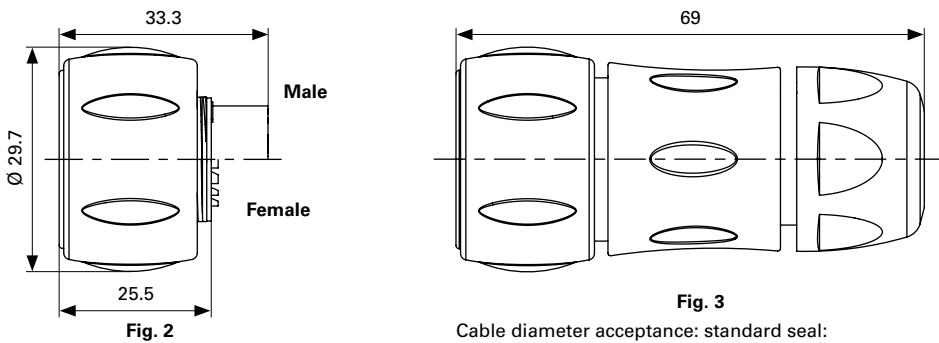
12E8/12D8 (Shell size 12, 8x20)

Dimensions in mm (For mated connector lengths see page 145)

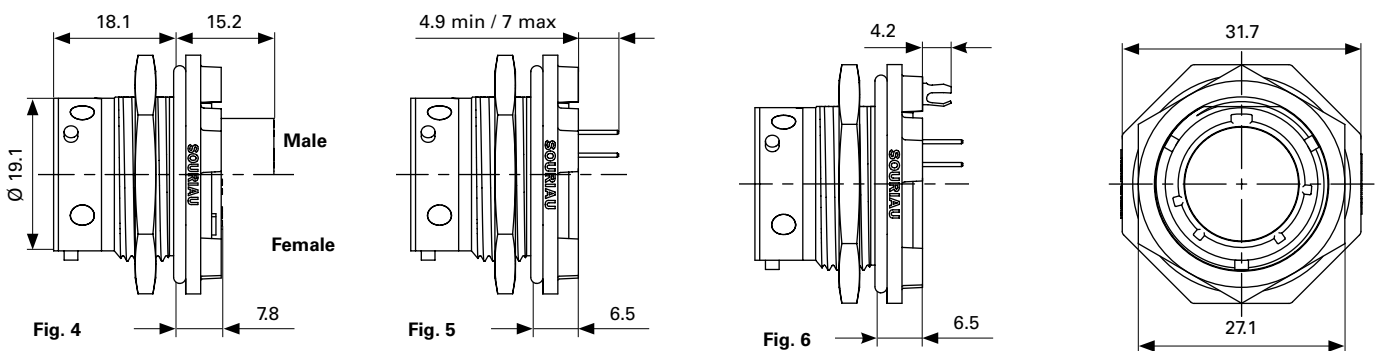
Square flange receptacle - UTGX0



Plug - UTGX6 & UTGX6JC

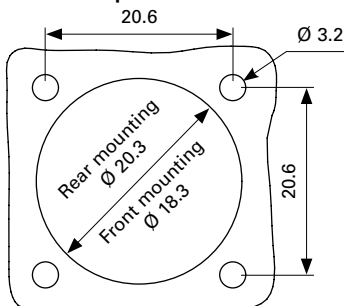


Jam nut receptacle UTGX7

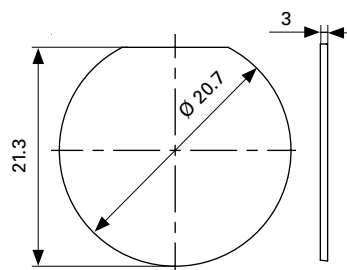


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Accessories

Jam nut & free hanging receptacle sealing caps



Description	Part number
IP68/69K	UTGX12DCG
IP68/69K - Metal terminal	UTGX12DCGR

Plug sealing cap



Description	Part number
IP68/69K	UTGX612DCG

Plastic protective cap



Part number receptacle cap	Part number plug cap
85005587A	85005596

Gasket



Part number
UTFD13B

Color coding rings



Description	Part number receptacles	Part number plugs
G for Green	UTGX712CCRG	UTGX612CCRG
Y for Yellow	UTGX712CCRY	UTGX612CCRY
R for Red	UTGX712CCRR	UTGX612CCRR

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Contacts #20

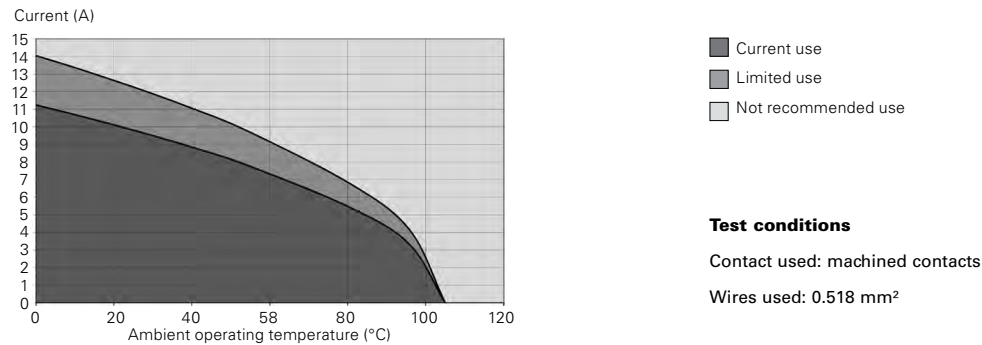
Contact style	Contact type	Plating	Cable acceptance (AWG)	Wire stripping length (mm)
Handsolder	Loaded in the connector	Min 0.4μ gold over 0.8μ Ni	20 to 18	3.8
PCB	Machined ⁽¹⁾	Min 0.4μ gold over 0.8μ Ni	—	—

(1): For dimensions see pages 136 or 137

Electrical characteristics

UL	CSA	IEC
4.5A 250V with AWG20 wire UL94 HB	4.5A 250V with AWG20 wire UL94 HB	6A 32V 1.5kV 3

UTGX 12E8/12D8 derating curves



Derating curves based on continuous current application.