

Connectors

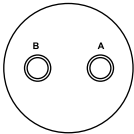
12E2/12D2 (Shell size 12, 2x#16)



Connector part number

UTGX 12E2/12D2

2 contacts + ground
13A/600V
per UL 1977
with AWG16 wire



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Hand solder electrical contacts loaded see page 19	Square flange receptacle	Without (Fig. 1)	UTGX012E2P	UTGX012E2S
	Plug	Without (Fig. 5)	UTGX612E2P	UTGX612E2S
		Cable gland (Fig. 3)	UTGX6JC12E2P	UTGX6JC12E2S
	Jam nut receptacle	Without (Fig. 4)	UTGX712E2P	UTGX712E2S
PCB contacts loaded see page 19	Square flange receptacle	Without (Fig. 2)	UTGX012D2P	UTGX012D2S
	Jam nut receptacle with stand off and without hold down clip	Without (Fig. 5)	UTGX712D2P	UTGX712D2S
	Jam nut receptacle with stand off and with hold down clips	Without (Fig. 6)	UTGX712D2P32	UTGX712D2S32

For discrimination/keying methods see page 154

Sealed unmated

Overmoulded cable assembly part numbers

Overmoulding type	Connector type	Wire size (mm²)	Harmonized cable part number ⁽¹⁾	Part number (length: 1 m.)*	
				Male plug	Female plug
Straight ending	Plug	1.5	H05 VV - F 3x1.5	HAUTGX12E2PST1M	HAUTGX12E2SST1M
Right angle ending	Plug	1.5	H05 VV - F 3x1.5	HAUTGX12E2PRA1M	HAUTGX12E2SRA1M

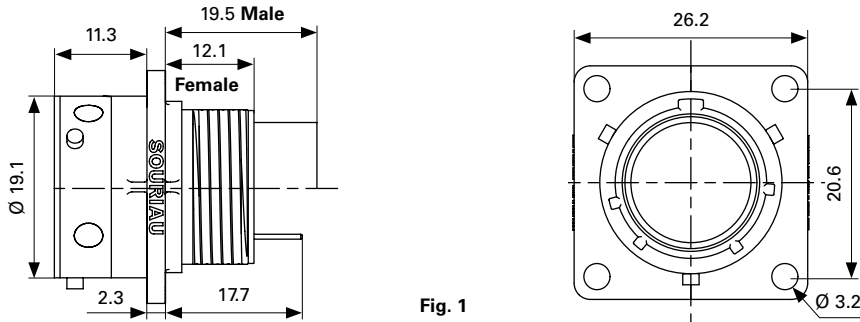
(1) Other cable available on demand

* Other lengths available on demand

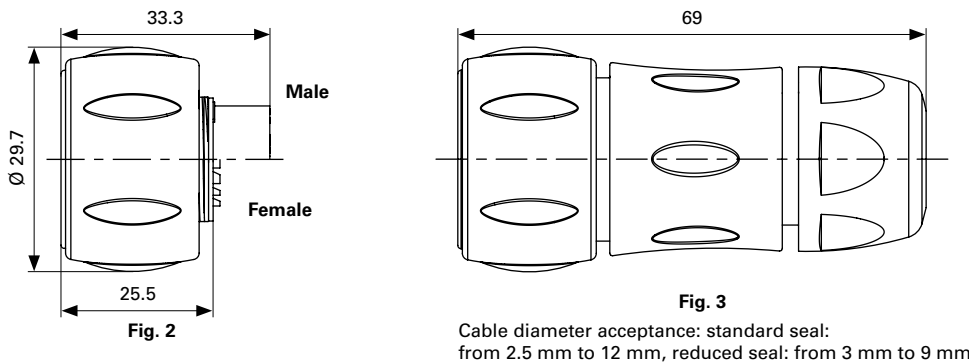
Note: Overmoulded cable assembly dimensions available page 145

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

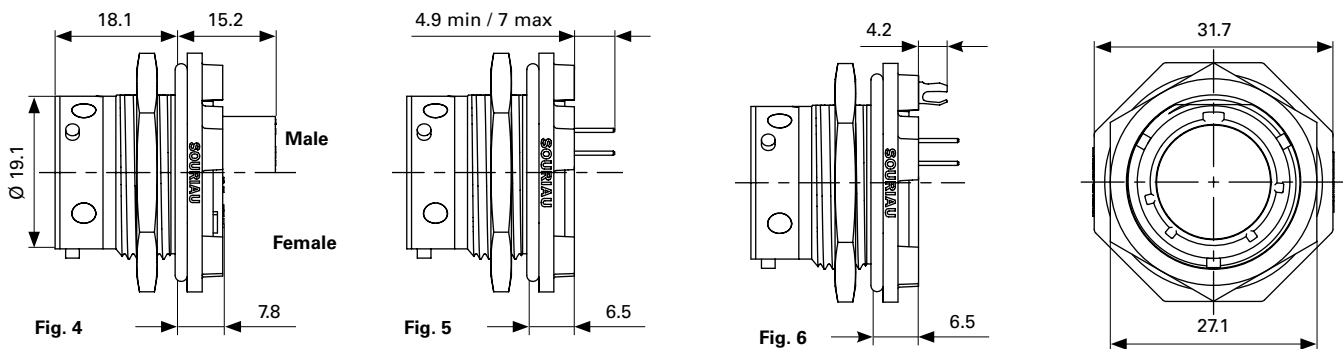
Square flange receptacle - UTGX0



Plug - UTGX6 & UTGX6JC

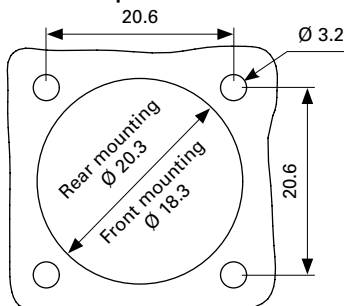


Jam nut receptacle UTGX7

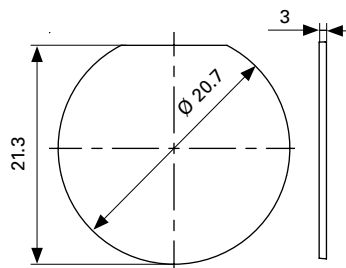


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Connectors

12E2/12D2 (Shell size 12, 2x#16)

Accessories

Jam nut & free hanging receptacle sealing caps



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

Square flange sealing cap



Description	Part number
IP68/69K - Metal terminal	UTGX12DCGE

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

Contacts

Contact size	Contact type	Plating	Cable acceptance (AWG)	Cable acceptance (mm ²)	Wire stripping length
#16	Handsolder Loaded in the connector	Min 0.4µ gold over 0.8µ Ni	18 - 14	0.80 - 2.48	5 mm
	PCB Machined ⁽¹⁾	Min 0.4µ gold over 0.8µ Ni	—	—	—

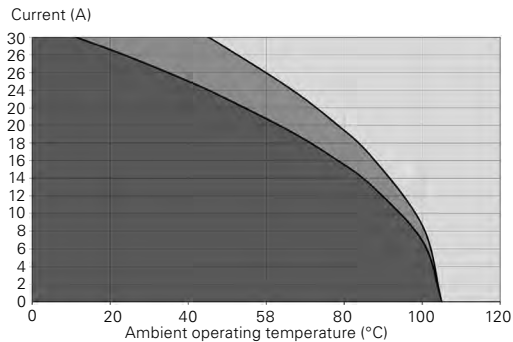
(1): For dimensions see pages 136 or 137

Electrical characteristics

UL	CSA	IEC
13A 600V UL94 HB	13A 600V UL94 HB	16A 150V 2.5kV 3

Electrical information according to the IEC 61984, with pollution degree IV and overvoltage category III.

UTGX 12E2/12D2 derating curves



- Current use
- Limited use
- Not recommended use

Test conditions

Contact used: machined contacts

Wires used: 1.31 mm²

Derating curves based on continuous current application.