

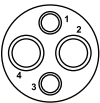
Connectors

102W2 (Shell size 10, 2x#20, 2x12)



Connector part number

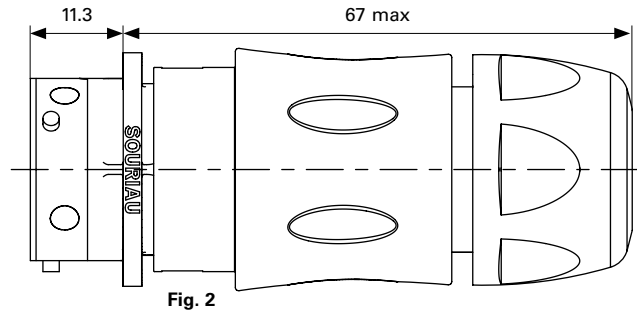
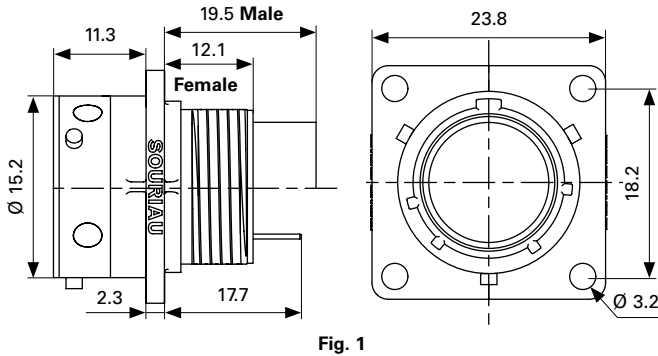
UTGX 102W2
4 contacts
26A/600V per UL1977 with
AWG12 wire
7.5A/250V per UL1977 with
AWG20 wire
(qualification pending)



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 42	Square flange receptacle	Without (Fig. 1)	UTGX0102W2P	UTGX0102W2S
	Square flange receptacle	Cable gland (Fig. 2)	UTGX0JC102W2P	UTGX0JC102W2S
	Free hanging receptacle	Cable gland (Fig. 3)	UTGX1JC102W2P	UTGX1JC102W2S
	Plug	Without (Fig. 4)	UTGX6102W2P	UTGX6102W2S
		Cable gland (Fig. 5)	UTGX6JC102W2P	UTGX6JC102W2S
	Jam nut receptacle	Without (Fig. 6)	UTGX7102W2P	UTGX7102W2S

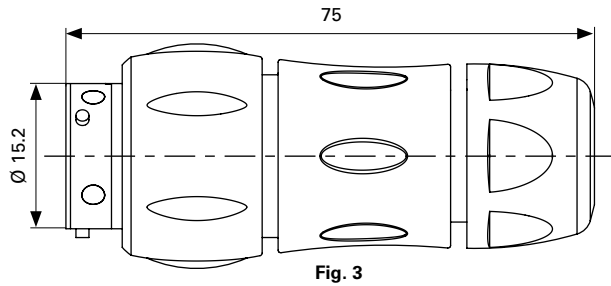
Dimensions in mm (For mated connector lengths see page 145)

Square flange receptacle - UTGX0 and UTGX0JC



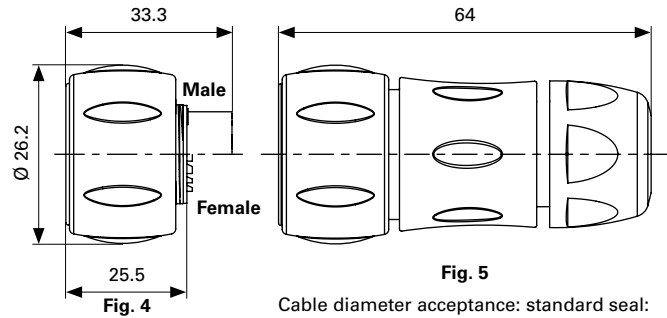
Cable diameter acceptance: standard seal:
from 2.5 mm to 8 mm, reduced seal: from 1.5 mm to 5 mm

Free hanging - UTGX1JC



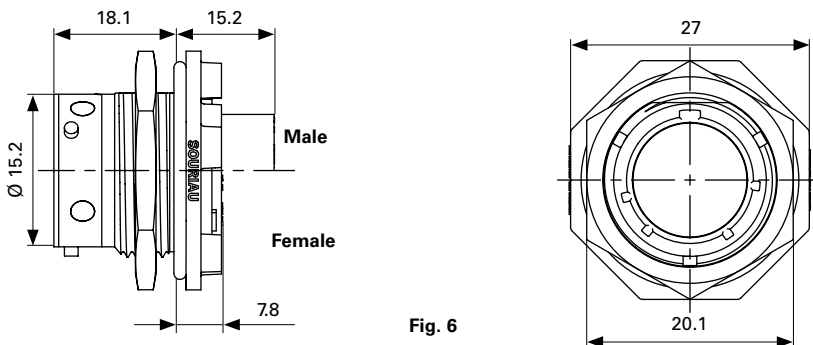
Cable diameter acceptance: standard seal:
from 2.5 mm to 8 mm, reduced seal: from 1.5 mm to 5 mm

Plug - UTGX6 & UTGX6JC



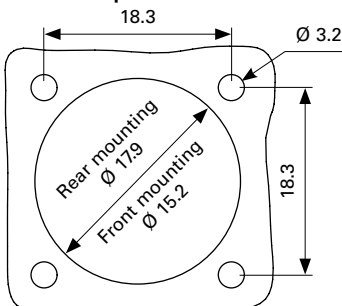
Cable diameter acceptance: standard seal:
from 2.5 mm to 8 mm,
reduced seal: from 1.5 mm to 5 mm

Jam nut receptacle UTGX7

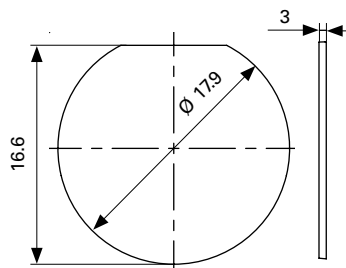


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Connectors

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Accessories

Jam nut & free hanging receptacle sealing caps



Description	Part number
IP68/69K	UTGX10DCG
IP68/69K - Metal terminal	UTGX10DCGR

Plug sealing cap



Description	Part number
IP68/69K	UTGX610DCG

Plastic protective cap



Part number receptacle cap	Part number plug cap
85005586A	85005595

Gasket



Part number
UTFD12B

Color coding rings



Description	Part number receptacles	Part number plugs
G for Green	UTGX710CCRG	UTGX610CCRG
Y for Yellow	UTGX710CCRY	UTGX610CCRY
R for Red	UTGX710CCRR	UTGX610CCRR

Connectors

102W2 (Shell size 10, 2x#20, 2x12)

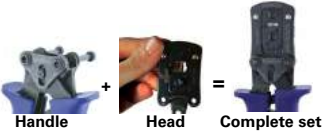
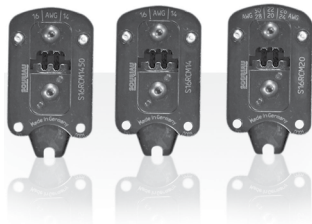
Tooling

Tooling



Description	Part number
Handle (without head)	Shandles
Box containing handle and several crimp tooling	Toolkit

Crimp tooling (without Shandles)



Contact size	Contacts	Part number of Head
Standard contacts #20 Ø 1 mm	RM/RC 24W3K⁽¹⁾	S20RCM*
	RM/RC 20W3K⁽¹⁾	S20RCM*
	RM/RC 18W3K⁽¹⁾	S20RCM*
	SM/SC 24WL3⁽¹⁾⁽²⁾	S20SCM20*
	SM/SC 20WL3⁽¹⁾⁽²⁾	S20SCM20*

(1): Example of plating, for other plating options see page 129

(2): Loose contact

* Heads to be used with handle PN: SHANGLES

Crimp tooling #12



Contact size	Part number hand tool	Part number positioner + locator setting
Standard contacts #12 Ø 2.4 mm	M317	VGE10077A

Extraction tool



Description	Part number
Fig. 1 - Contacts #20	RX20D44
Fig. 2 - Contacts #12	51060210924

Connectors

102W2 (Shell size 10, 2x#20, 2x12)

Contacts #20

Contact style	Contact type	Cable acceptance (AWG)	Cable acceptance (mm ²)	Part number Male	Part number Female	Max wire Ø (mm)	Max insulator Ø (mm)
Crimp contacts	Machined	26-24	0.13-0.25	RM24W3K	RC24W3K	0.80	1.58
		20-20	0.32-0.52	RM20W3K	RC20W3K	1.15	1.80
		20-18	0.52-0.80	RM18W3K	RC18W3K	1.30	2.10
	Stamped & Formed reeled contacts See note ⁽²⁾ for loose piece	26-24	0.13-0.25	SM24W3TK6 ⁽¹⁾⁽²⁾	SC24W3TK6 ⁽¹⁾⁽²⁾	—	0.90-1.58
		26-24	0.13-0.25	SM24W3S26 ⁽¹⁾⁽²⁾	SC24W3S25 ⁽¹⁾⁽²⁾	—	0.90-1.58
		20-20	0.32-0.52	SM20W3TK6 ⁽¹⁾⁽²⁾	SC20W3TK6 ⁽¹⁾⁽²⁾	—	1.20-2.10
		20-20	0.32-0.52	SM20W3S26 ⁽¹⁾⁽²⁾	SC20W3S25 ⁽¹⁾⁽²⁾	—	1.20-2.10

(1): Example of plating, for other plating see page 129

(2): Loose piece contact available by adding "L" after the "M" for the contact size and the plating. Example: SM20W3TK6 becomes SM20WL3TK6

Contacts #12

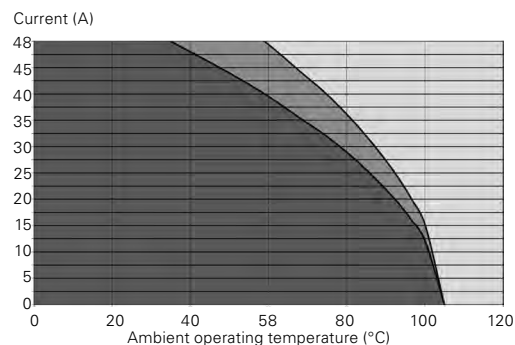
Contact style	Contact type	Cable acceptance (AWG)	Cable acceptance (mm ²)	Part number Male	Part number Female	Max wire Ø (mm)	Max insulator Ø (mm)
Crimp contacts	Machined	20	0.52	82911457NA	82911456A	0.87	4.90
		20	0.52	82911459NA	82911458A	1.12	
		18	0.80	82911461NA	82911460A	1.42	
		16	1.48	82911463NA	82911462A	1.72	
		14	2.48	82911465NA	82911464A	2.20	
		12	4.00	82911467NA	82911466A	2.82	

Electrical characteristics

UL	CSA	IEC
26A 600V with AWG12* 7.5A 250V with AWG20*	20A 600V with AWG12* 2.5A 250V with AWG20*	25A 150V 2.5kV 3 temperature elevation: 50°C

* qualification pending

UTGX 102W2 derating curves



- Current use
- Limited use
- Not recommended use

Test conditions

Contact used: machined contacts

Wires used: 0.518 mm²

Derating curves based on continuous current application.