

Connectors

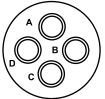
104 (Shell size 10, 4x#16)



Connector part number

UTGX 104

4 contacts
10A/500V
per UL 1977 with
AWG16 wire



Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supplied separately see page 47	Square flange receptacle	Without (Fig. 1)	UTGX0104P	UTGX0104S
	Square flange receptacle	Cable gland (Fig. 2)	UTGX0JC104P	UTGX0JC104S
	Free hanging receptacle	Cable gland (Fig. 3)	UTGX1JC104P	UTGX1JC104S
	Plug	Without (Fig. 4)	UTGX6104P	UTGX6104S
		Cable gland (Fig. 5)	UTGX6JC104P	UTGX6JC104S
PCB contacts supplied separately see page 47	Jam nut receptacle	Without (Fig. 6)	UTGX7104P	UTGX7104S
	Jam nut receptacle	Without (Fig. 7)	UTGX7104P	UTGX7104S

For discrimination/keying methods see page 154

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 4x1.5	HAUTGX104PST1M	HAUTGX104SST1M
Right angle ending	Plug	1.5	H05 VV - F 4x1.5	HAUTGX104PRA1M	HAUTGX104SRA1M

(1) Other cable available on demand

* Other lengths available on demand

Note: Overmoulded cable assembly dimensions available page 145

Connectors

104 (Shell size 10, 4x#16)

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

Square flange receptacle - UTGX0 and UTGX0JC

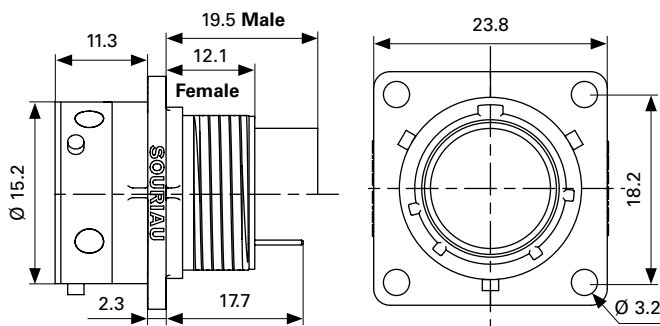


Fig. 1

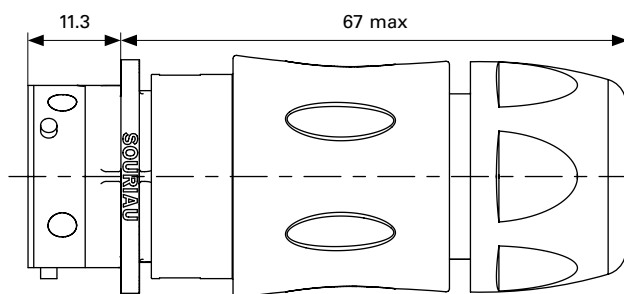


Fig. 2

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

Free hanging - UTGX1JC

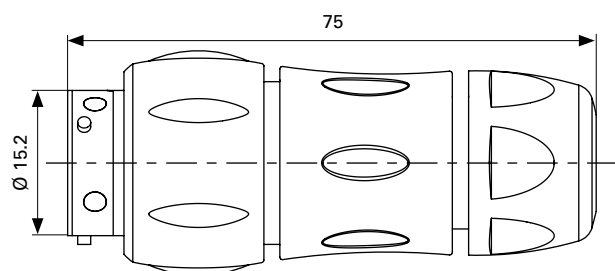


Fig. 3

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

Plug - UTGX6 & UTGX6JC

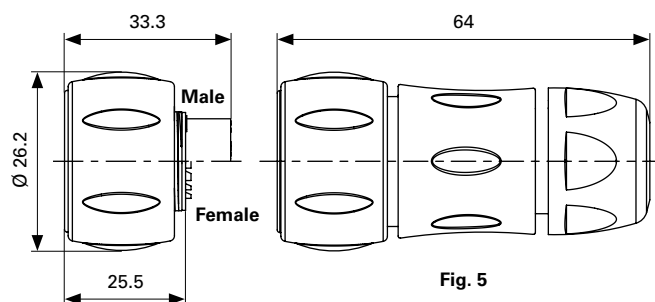


Fig. 5

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

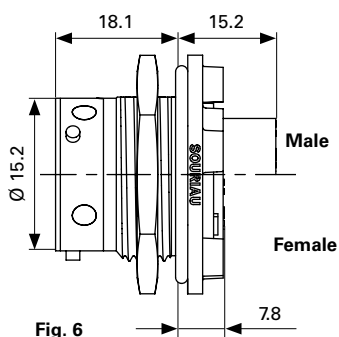


Fig. 6

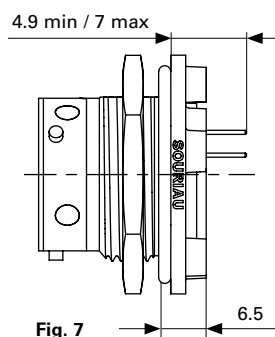
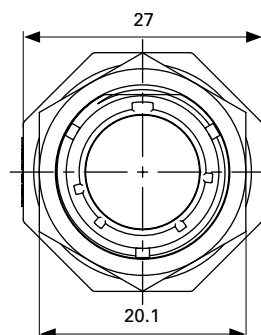
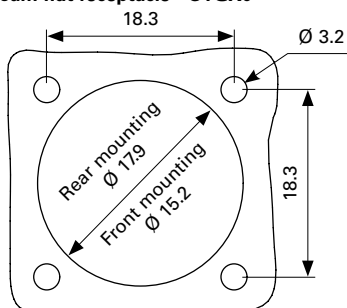


Fig. 7

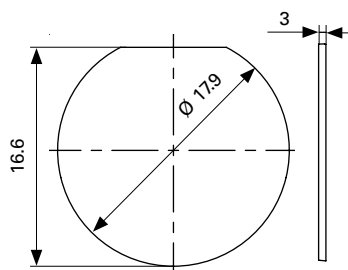


Panel cut out

Jam nut receptacle - UTGX0



Jam nut receptacle - UTGX7



Accessories

Jam nut & free hanging receptacle sealing caps



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

Square flange sealing cap



Description	Part number
IP68/69K - Metal terminal	UTGX10DCGE

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	UTGX710CCR	UTGX610CCR

Connectors

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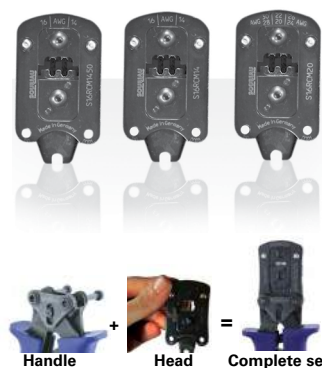
Tooling

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 #16 Ø 1.6 mm	RM/RC 28M1K ⁽¹⁾	S16RCM20*
	RM/RC 24M9K ⁽¹⁾	S16RCM20*
	RM/RC 20M13K ⁽¹⁾	S16RCM20*
	RM/RC 20M12K ⁽¹⁾	S16RCM20*
	RM/RC 16M23K ⁽¹⁾	S16RCM16*
	RM/RC 14M30K ⁽¹⁾	S16RCM14*
	SM/SC 24ML1TK6 ⁽¹⁾	S16SCM20*
	SM/SC 20ML1TK6 ⁽¹⁾	S16SCM20*
	SM/SC 16ML1TK6 ⁽¹⁾	S16SCML1*
	SM/SC 14ML1TK6 ⁽¹⁾	S16SCML1*
	SM/SC 16ML11TK6 ⁽¹⁾	S16SCML11*

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

* Heads to be used with handle PN: SHANDLES

Extraction tool #16

Fig. 1



Fig. 2



Description	Part number
Fig. 1	RX2025GE1
Fig. 2 - Long endurance tool	RX2031J

Contacts #16

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	30-26	0.48-0.08	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.55	1.00
		26-24	0.13-0.25	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.80	1.58
		20-20	0.32-0.52	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	1.15	1.80
		20-20	0.32-0.52	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	1.15	2.20
		20-16	0.52-1.48	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	1.80	3.20
		16-14	1.48-2.48	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	2.30	3.20
	Stamped & Formed reeled contacts See note ⁽²⁾ for loose piece	26-24	0.13-0.25	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	—	0.90-1.58
		20-20	0.32-0.52	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	—	1.20-2.10
		18-16	0.80-1.48	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	—	3.20
		18-16	0.80-1.48	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	—	3.00
		14	2.48	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	—	3.20
PCB	Machined ⁽³⁾	—	—	RM20M12E83K ⁽¹⁾	RC20M12E84K ⁽¹⁾	—	—
Coaxial	Cable multipiece	see pages 133 to 134		RMDXK10D28	RCDXK1D28	—	—
	Cable monocrimp			RMDX60xxD28	RCDX60xxD28	—	—
	Twisted pair multipiece			RMDXK10D28 + yorx090	RCDXK1D28 + yorx090	—	—
	Twisted pair monocrimp			RMDX60xxD28	RCDX60xxD28	—	—
Fiber optic	POF contacts (Plastic Optical Fiber)	—	—	RMPOF1000	RCPOF1000B	—	—

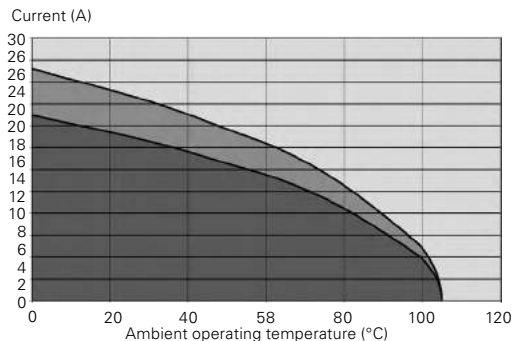
(1): Example of plating, for other plating see page 129
 (3): for dimensions see pages 136 or 137

(2): Loose piece contact available by adding "L" after the "M" for the contact size and the plating. Example: SM20M1TK6 becomes SM20ML1TK6

Electrical characteristics

UL	CSA	IEC
10A 500V with AWG16 wire UL94 V-0	7A 500V with AWG16 wire UL94 V-0	13A 150V 2.5kV 3

UTGX 104 derating curves



Derating curves based on continuous current application.

- Current use
- Limited use
- Not recommended use

Test conditions

Contact used: machined contacts

Wires used: 1.31 mm²