145 (shell size 14, 5x#16)

OR

OR

WITH

Layout

Connector part number

Contact type	Connector type	Part number	
		Male insert	Female insert
Crimp contacts to be ordered separately see page 25	Plug with backshell*	-	UTL6JC145S
	Plug without backshell	-	UTL6145S
	Jam-nut without backshell	UTL7145P	-
Screw termination contacts, delivered with connector	Plug with backshell*	-	UTL6JC145SSCR
	Plug without backshell	-	UTL6145SSCR

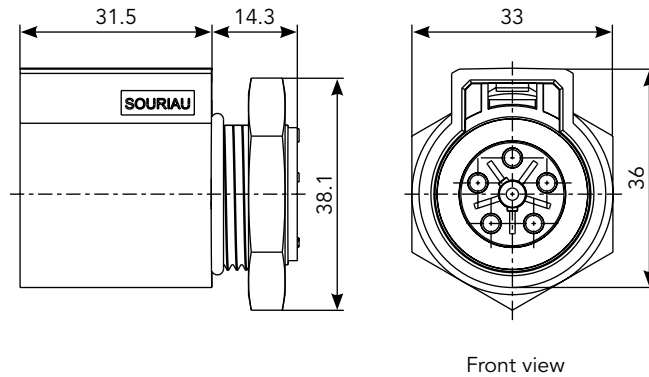* Non removable backshell when mated. IP68/69K not guaranted if backshell removed.

Overmoulded cable assembly

Please consult us.
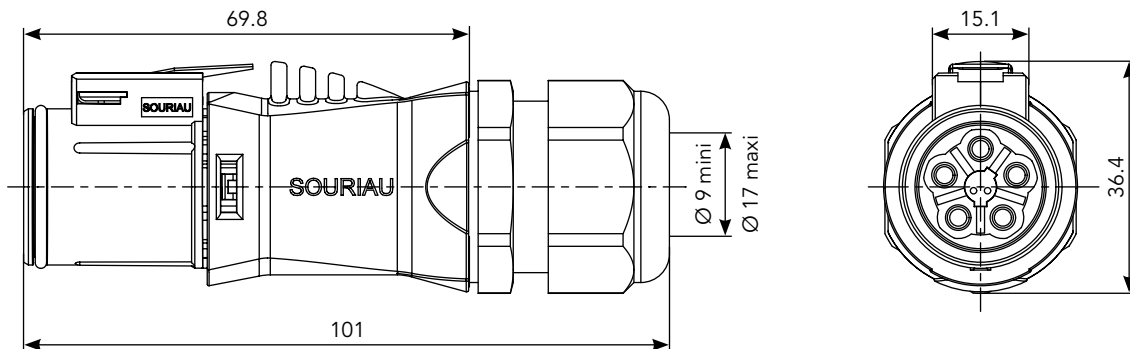
145 (shell size 14, 5x#16)

Dimensions (for mated connector lengths see page 58)

Jam nut receptacle - UTL7

31.5   14.3   33   38.1   36

Front view

Plug - UTL6 with backshell

69.8   15.1   Ø 9 mini   Ø 17 maxi   36.4   101

Front view

Plug - UTL6 without backshell

48.7   20.7   15.1   32

Front view

Panel cut out

Jam nut receptacle - UTL7
Maximun panel thickness: 5 mm

Ø 30   Ø 25.4   23.9   1.5
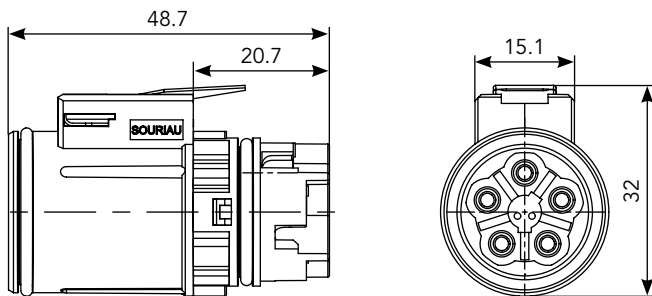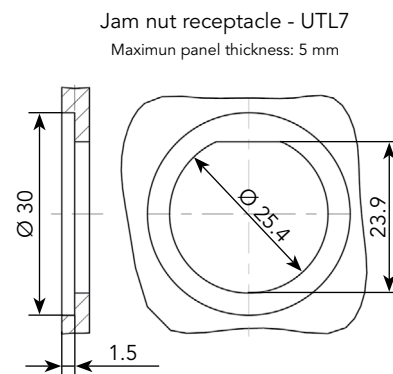
Note: all dimensions are in mm and for information only

Connector

145 (shell size 14, 5x#16)

Tooling

Handle (without head)

Part number
SHANDLES

Tool kit

Part number
TOOLKIT

Handle + Head = Complete set

Head crimp tooling (without handle)

Contacts	Contact size	Part number of head
RM/RC 28M1K[1]		S16RCM20*
RM/RC 24M9K[1]		S16RCM20*
RM/RC 20M13K[1]		S16RCM20*
RM/RC 20M12K[1]		S16RCM20*
RM/RC 16M23K[1]	Standard contacts	S16RCM16*
RM/RC 14M30K[1]	#16	S16RCM14*
SM/SC 24ML1TK6[1]	Ø 1.6mm	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 38
* Heads to be used with handle PN: SHANDLES

Insertion tool #16

Part number
RTM205

Extraction tool #16

Part number
RX2025GE1

145 (shell size 14, 5x#16)

Contacts

#16		Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
				Male	Female		
Crimp	Machined		30-28	RM28M1K[1]	RC28M1K[1]	0.55	1.00
			26-24	RM24M9K[1]	RC24M9K[1]	0.80	1.60
			22-20	RM20M13K[1]	RC20M13K[1]	1.15	1.80
			22-20	RM20M12K[1]	RC20M12K[1]	1.15	2.20
			20-16	RM16M23K[1]	RC16M23K[1]	1.80	3.20
			16-14	RM14M30K[1]	RC14M30K[1]	2.30	3.20
	Machined sealed (with O-Ring for IP68/69K unmated)		20-16	RM16M25K	RC16M25K	1.80	3.20
			16-14	RM14M25K	RC14M25K	2.28	3.20
	Stamped & Formed reeled contacts See note (2) for loose piece		26-24	SM24M1TK6[1][2]	SC24M1TK6[1][2]	-	0.90-1.60
			22-20	SM20M1TK6[1][2]	SC20M1TK6[1][2]	-	1.20-2.10
			18-16	SM16M1TK6[1][2]	SC16M1TK6[1][2]	-	3.20
			18-16	SM16M11TK6[1][2]	SC16M11TK6[1][2]	-	3.00
			14	SM14M1TK6[1][2]	SC14M1TK6[1][2]	-	3.20
Coaxial	Cable multipiece		see pages 41, 78 to 79	RMDXK10D28	RCDXK1D28	-	-
	Cable monocrimp			RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair multipiece			RMDXK10D28 + york090	RCDXK1D28 + york090	-	-
	Twisted pair monocrimp			RMDX60xxD28	RCDX60xxD28	-	-

(1): Example of plating, for other plating options see page 38
(2): For loose piece contact packaging, place "L" in part number. Example: **SM20ML1TK6**

Note: all dimensions are in mm

Electrical characteristics

UL
16A 600V V0
13A 277V for CBC use

CN
13A 600V
10A 277V for CBC use

IEC
16A 500V 4KV 4
13A 250V 2.5KV 4 for CBC use

UTL145 derating curves

Test conditions

Contact used:
Machined contacts
Wires used:
#16 contacts wired onto 2.5mm² or 14AWG conductors

Current (A)

Ambient Operating Temperature (°C)

■ Theoretic current use   ■ Limited use   ☐ Not recommended use