



Outdoor weather station

Robot

Leakage detection

Road traffic management

Active steering system



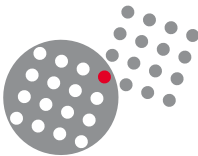
Click on a part number to download
2D drawings & 3D models or buy online

New power layout / 6+ground

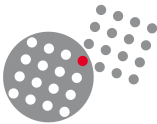
The solution to power your device up to (16A 300V)
with the new 6 + ground Hi seal layout.

- Rapid and secure locking ✓ Bayonet coupling (1/3 turn)
- Waterproof ✓ IP68/IP69K
- Corrosion proof ✓ Plastic housing
- Suitable for outdoor use ✓ UV resistant
- PCB board & electronic protection ✓ Sealed unmated

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UTS Series
147 - 14E7/14D7



Specifications

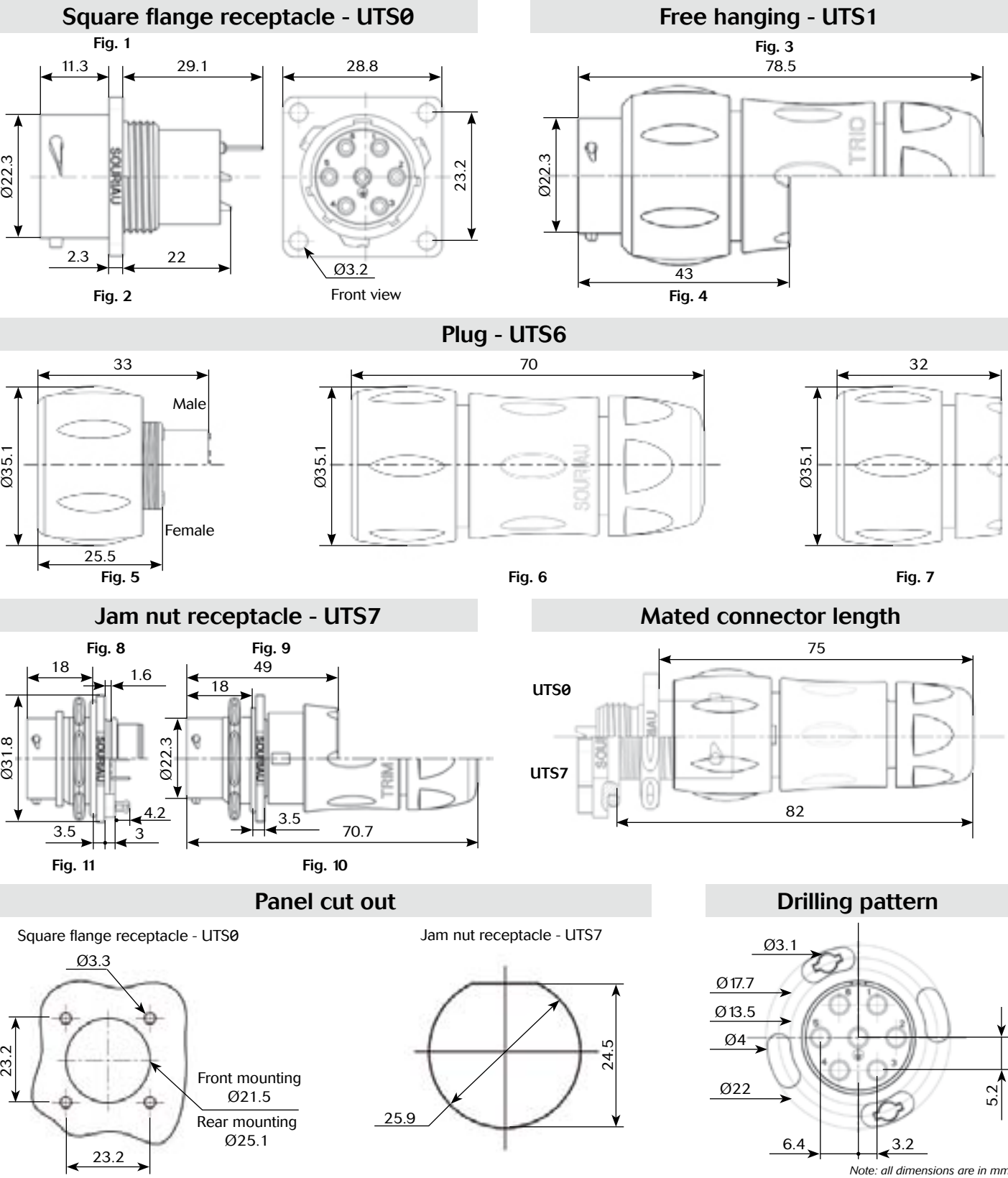
Contact type	Connector type	Backshell	Part number	
			Male insert	Female insert
Crimp contacts supply separately see page 91	Square flange receptacle	Without (Fig.2)	UTS0147P	
	Free hanging receptacle	Cable gland and grommet (Fig.3)	UTS1GJC147P	
	Free hanging receptacle	Nut and grommet (Fig.4)	UTS1GN147P	
	Free hanging receptacle	Cable gland (Fig.3)	UTS1JC147P	UTS1JC147S
	Plug	Without (Fig.5)	UTS6147P	UTS6147S
	Plug	Cable gland and grommet (Fig.6)	UTS6GJC147P	UTS6GJC147S
	Plug	Nut and grommet (Fig.7)	UTS6GN147P	UTS6GN147S
	Plug	Cable gland (Fig.6)	UTS6JC147P	UTS6JC147S
	Jam nut receptacle	Without (Fig.8)	UTS7147P	UTS7147S
	Jam nut receptacle	Cable gland and grommet (Fig.10)	UTS7GJC147P	
Handsold electrical contacts loaded	Jam nut receptacle	Nut and grommet (Fig.9)	UTS7GN147P	
	Square flange receptacle	Without (Fig.2)	UTS0147PSCR	UTS0147SSCR
	Square flange receptacle	Cable gland (Fig.6)	UTS0GJC147P	UTS0GJC147S
	Jam nut receptacle	Without (Fig.8)	UTS6JC147P	UTS6JC147S
PCB contacts loaded	Square flange receptacle	Without (Fig.1)	UTS014E7P	UTS014E7S
	Jam nut receptacle with stand off and hold down clip	Without (Fig.11)	UTS714D7P32	UTS714D7S32
	Jam nut receptacle with stand off and hold down clip	Without (Fig.11)	UTS714D7P	UTS714D7S
	Jam nut receptacle with stand off and hold down clip	Without (Fig.11)	UTS714D7P	UTS714D7S
	Jam nut receptacle	With stand off and hold down clip (Fig.11)	UTS7147PSEK9	
	Jam nut receptacle	With stand off and hold down clip (Fig.11)	UTS7147PSEK9	
Screw contacts loaded	Free hanging receptacle	Cable gland (Fig.3)	UTS1JC147PSCR	UTS7147SSCR
	Free hanging receptacle	Without (Fig.8)	UTS6JC147PSCR	UTS6JC147SSCR
	Free hanging receptacle	Cable gland (Fig.3)	UTS6JC147PSCR	UTS6JC147SSCR
contacts loaded	Plug	Cable gland (Fig.6)	UTS6JC147PSCR	UTS6JC147SSCR

Sealed unsealed

UTS Series
147 - 14E7/14D7

Dimensions

16A 300V
per IEC 61984





Accessories

Jam nut sealing caps



Part number
UTS14DCG



Part number
UTS14DCGR

Plug sealing cap Square flange sealing cap



Part number
UTS614DCG



Part number
UTS14DCGE

Plastic protective cap Gasket



Part numbers
Receptacle cap Plug cap
85005588A 85005597



Part number / neoprene
UTFD14B

Color coding rings

G for Green



Y for Yellow



R for Red



Part numbers	
Receptacles	Plugs
UTS714CCRR	UTS614CCRR
UTS714CCRY	UTS614CCRY
UTS714CCRG	UTS614CCRG

Handle Tool kit



Part number
Shandles



Part number
Toolkit

Crimp tooling



Contacts	Contact size	Part number of head
RM/RC 28M1K ⁽¹⁾	Standard contacts #16 Ø 1.6mm	S16RCM20
RM/RC 24M9K ⁽¹⁾		S16RCM20
RM/RC 20M13K ⁽¹⁾		S16RCM20
RM/RC 20M12K ⁽¹⁾		S16RCM20
RM/RC 16M23K ⁽¹⁾		S16RCM16
RM/RC 14M50K ⁽¹⁾		S16RCM1450
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
RMDXK10D28K	Coaxial contacts	M10S-1J
RCDXK1D28K		M10S-1J
RM/RC DX60xxD28K		M10S-1J
RM/RC DXK10D28 + york090		M10S-1J
RM/RC DX60xxD28		M10S-1J

(1): example of plating, for other plating see UTS catalog page 143



Contacts

16A 300V
per IEC 61984

#16	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	30-28	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.55	1.1
		26-24	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.8	1.6
		22-20	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	1.18	1.8
		22-20	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	1.18	2.2
		20-16	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	1.8	3.2
		16-14	RM14M50K ⁽¹⁾	RC14M50K ⁽¹⁾	2.05	3.2
		16-14	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	2.28	3.2
	stamped & formed reeled contacts	26-24	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	0.89-1.28	-
		22-20	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	1.17-2.08	-
		18-16	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	3.0	-
		18-16	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	2.0-3.0	-
14		SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	3.2	-	
PCB	Machined ⁽³⁾	-	RM20M12E8K ⁽¹⁾	RC20M12E84K ⁽¹⁾	-	-
Coaxial	cable Multipiece	-	RMDXK10D28	RCDXK1D28	-	-
	Cable Monocrimp	-	RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair Multipiece	-	RMDXK10D28 + york090	RCDXK1D28 + york090	-	-
	Twisted pair Monocrimp	-	RMDX60xxD28	RCDX60xxD28	-	-
Fiber optic	POF contacts Plastic optical fibre	-	RMP0F1000	RCPOF1000B	-	-

(1): Example of plating, for other plating see UTS catalog page 147
(2): Loose piece contact available if putting L. Example: SM20ML1-TK6
(3): For dimensions see UTS catalog page 152

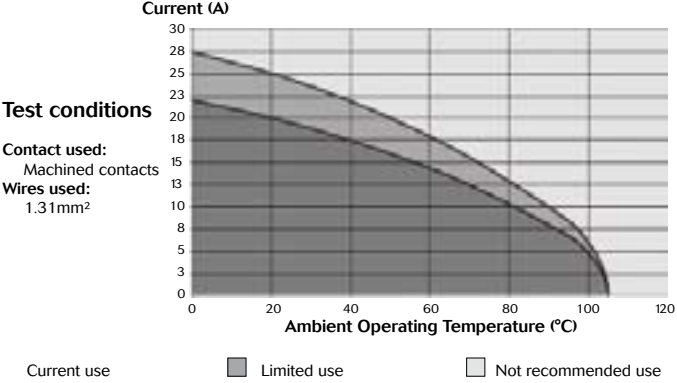
Electrical characteristics

UL
10A 500V UL94 V-0

CSA
7A 500V UL94 V-0

IEC
16A 300V 4kV 3
Temperature elevation: 50°C

UTS 147 derating curves



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