

UTS Series 147 - 14E7/14D7



UTS Hi seal series 147



Outdoor weather station

Robot

Leakage detection

Road traffic management

Active steering system



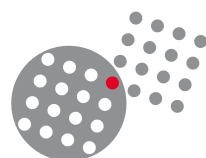
Click on a part number to download
2D drawings & 3D models or buy online

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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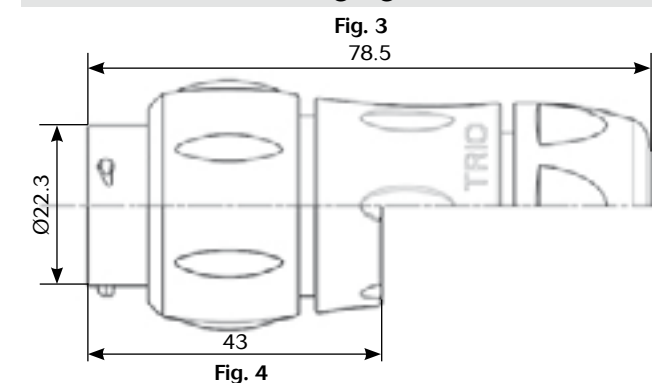


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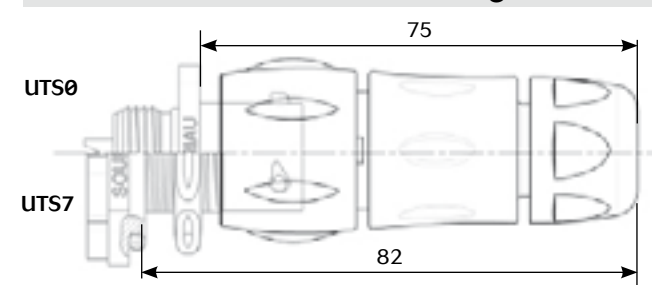
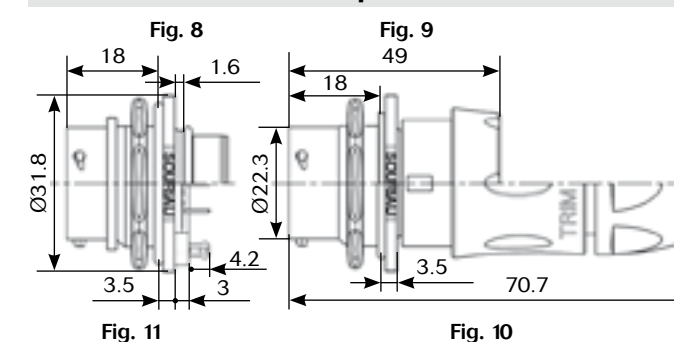
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16A 300V
per IEC 61984

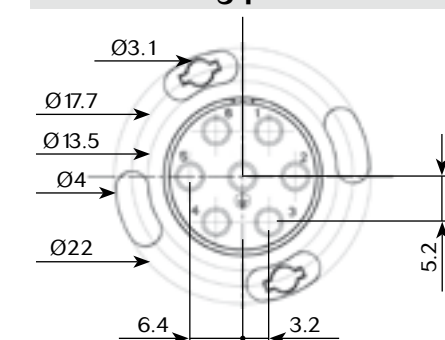
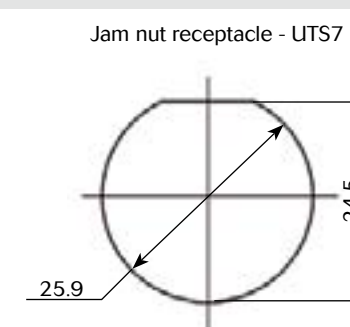
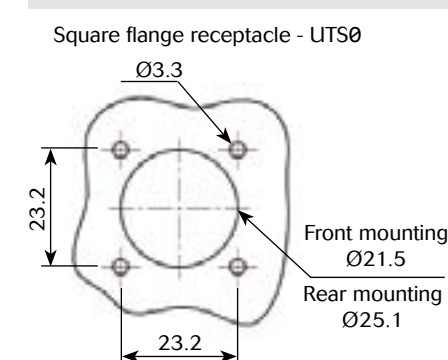
Free hanging - UTS1



Mated connector length



Drilling pattern



Note: all dimensions are in mm

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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⁾	Coaxial contacts	S16SCML1
SM/SC 16ML11TK6 ⁽¹⁾		S16SCML11
RMDXK10D28K		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	-	RMPOF1000	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

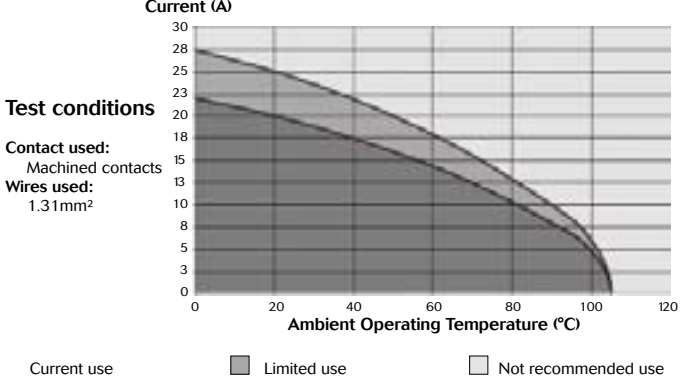
Electrical characteristics

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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