

UTO Series Connector

2041 (Shell size 20, 41x#20)



Connector Part Numbers

Drilling pattern see page 178

Contact type	Connector type	Sealing	Salt spray	Part number*	
				Male insert	Female insert
Contacts supplied separately see page 111	Square flange receptacle	IP67	96h	UT0W02041PH	UT0W02041SH
		IP68 & IP69K	96h	UT0W02041PH6	UT0W02041SH6
	Plug	IP67, IP68 & IP69K	48h	UT0W62041PH	UT0W62041SH
		IP67, IP68 & IP69K	96h	UT0W62041PH02 (Black)	UT0W62041SH02 (Black)
	Jam nut receptacle	IP67	48h	UT0W72041PH	UT0W72041SH
		IP68 & IP69K	48h	UT0W72041PH6	UT0W72041SH6
		IP67	96h	UT0W72041PH01	UT0W72041SH01
		IP68 & IP69K	96h	UT0W72041PH601	UT0W72041SH601

* Other discrimination keying option, see page 180

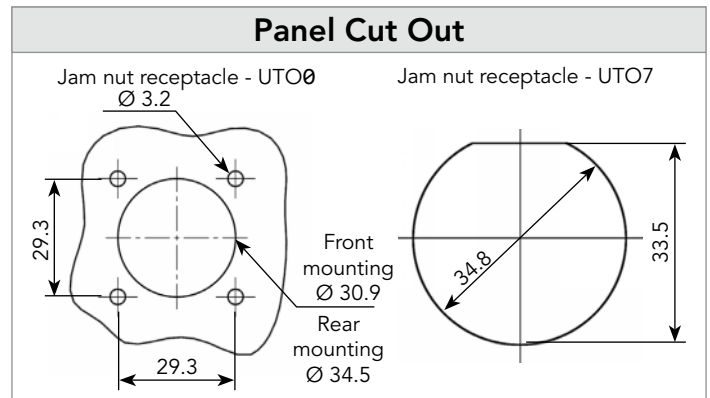
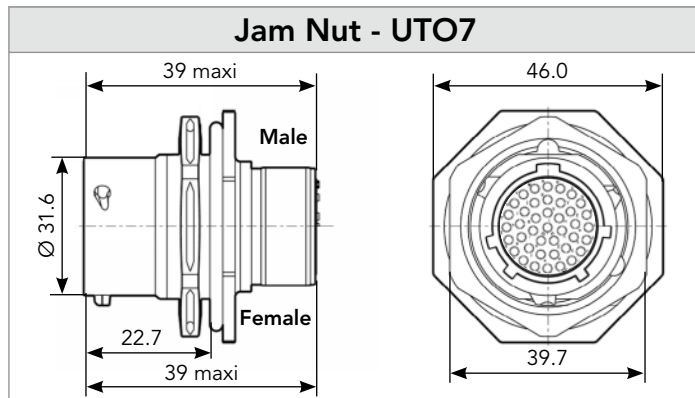
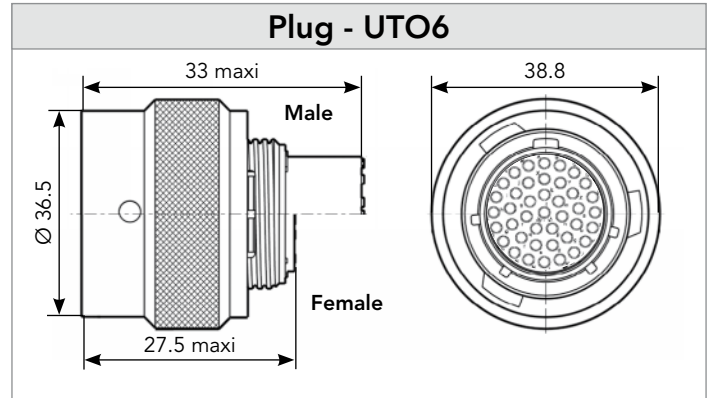
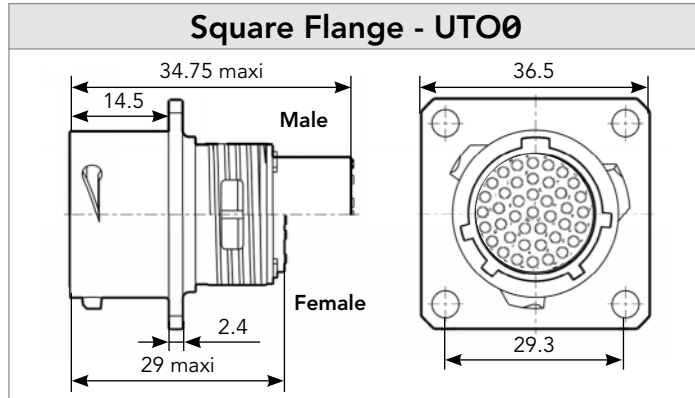
Backshells

Backshell type	Shielding	Cable range (Ø mm) min/max	Part number	
			Short version	Long version
Cable gland with strain relief nut for water protected applications (IP68 & IP69K) (Fig.1)	-	11.5/18	UT020JCS	UT020JC
Cable gland with large strain relief nut for water protected applications (IP68 & IP69K) (Fig.2)	-	15/24	UT020JCSL	UT020JCL
Shielded cable gland with strain relief nut for water protected applications (IP68 & IP69K) (Fig.3)	✓	13.5/18	UT0S20JCS	UT0S20JC
Shielded cable gland with large strain relief nut for water protected applications (IP68 & IP69K) (Fig.4)	✓	17/24	UT0S20JCSL	UT0S20JCL
Metal cable clamp with strain relief (Fig.5)	-	16.0	UT020AC	
Metal shrink boot adaptor (Fig.6)	-	-	UT020AD	
Metal right angle cable clamp with strain relief nut (Fig.7)	-	9/21	UT020LPGN	
Shielded cable clamp with plastic strain relief nut (Fig.8)	✓	9/21	UT0S20JCPGN	
Cable clamp with plastic strain relief nut (Fig.8)	-	9/21	UT020JCPGN	

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Dimensions



Backshells (for Mated Connector Length: See Page 153)

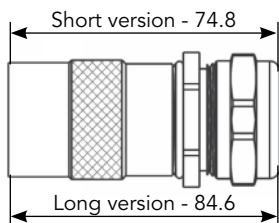


Fig. 1

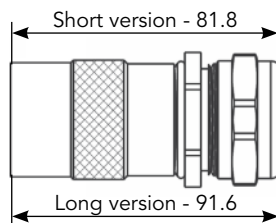


Fig. 2

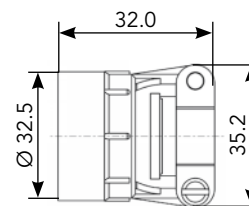


Fig. 5

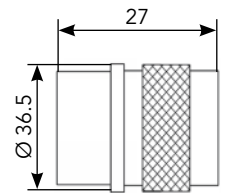


Fig. 6

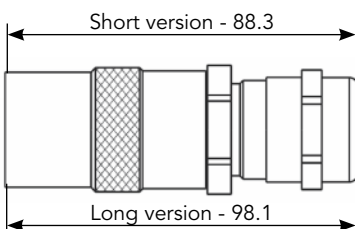


Fig. 3

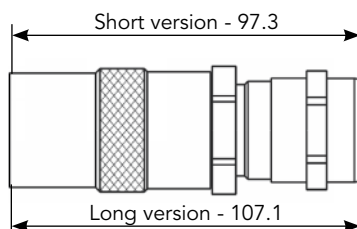


Fig. 4

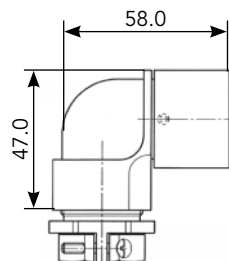


Fig. 7

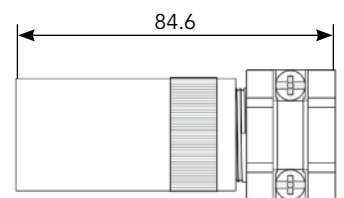


Fig. 8

Note: all dimensions are in mm

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Accessories and Tooling

Dustcap (Receptacle)



Part number
UT020DCG*

Dustcap (Plug)



Part number
UTG620DCG*

Handle (without Head)



Part number
SHANDLES

Tool Kit



Part number
TOOLKIT

Gasket



Part number / Neoprene
UTFD17B

Crimp Tooling (without Shandles)



Contacts	Contact size	Part number of head
RM/RC 24W3K ⁽¹⁾	Standard contacts #20 Ø 1mm	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: SHANDLES


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Handle Head Complete set

Extraction Tool #20



Part number
RX20D44

* For dustcap without chain, skip "G", e.g. UT020DC

2041 (Shell size 20, 41x#20)

Contacts

#20	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	26-24	RM24W3K	RC24W3K	0.80	1.60
		22-20	RM20W3K	RC20W3K	1.15	1.60
		20-18	RM18W3K	RC18W3K	1.30	2.10
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24W3TK6 ⁽¹⁾⁽²⁾	SC24W3TK6 ⁽¹⁾⁽²⁾	-	0.90-1.60
		26-24	SM24W3S26 ⁽¹⁾⁽²⁾	SC24W3S25 ⁽¹⁾⁽²⁾	-	0.90-1.60
		22-20	SM20W3TK6 ⁽¹⁾⁽²⁾	SC20W3TK6 ⁽¹⁾⁽²⁾	-	1.20-2.10
		22-20	SM20W3S26 ⁽¹⁾⁽²⁾	SC20W3S25 ⁽¹⁾⁽²⁾	-	1.20-2.10
PCB	Machined ⁽³⁾	-	RMW5016K	RCW5016K	-	-

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

(2): For loose piece contact packaging, place "L" in part number. Example: SM20WL3TK6

(3): For dimensions see page 132

Note: all dimensions are in mm

Electrical Characteristics

UL
3A 250V UL94 V-0

CSA
2A 250V UL94 V-0

IEC
8A 80V 1.5kV 3

UTO 2041 Derating Curves

