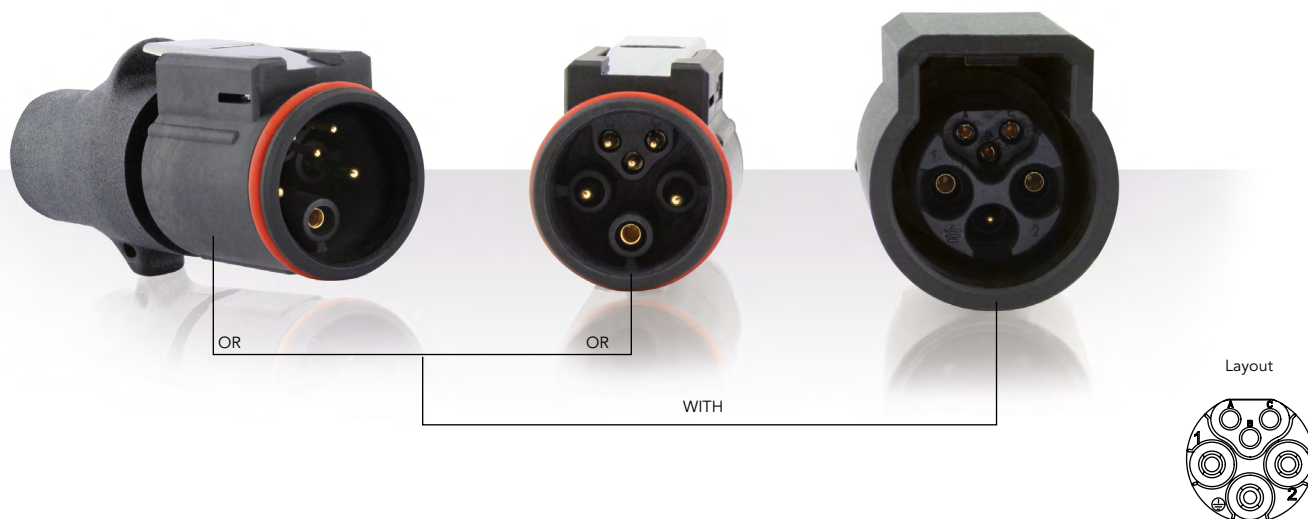


102G1W3 (shell size 10, 3x#16 + 3x#20)



Connector part number

Plugs and receptacles have to be equipped with both contact genders. Ground lines will never be equipped with the same contacts as the neutral and phase.

Contact type	Connector type	Part number	
		Male insert	Female insert
		Black color	Black color
Crimp contacts supplied separately see page 29	Plug	UTL6102G1W3P	UTL6102G1W3S
	Jam nut receptacle	UTL7102G1W3P	UTL7102G1W3S
	In line receptacle	UTL1102G1W3P	UTL1102G1W3S
Contacts included	Terminating Resistor plug - 120Ω	UTL6102G1W3PCDMX	UTL6102G1W3SCDMX
	Terminating Resistor receptacle - 120Ω	UTL1102G1W3PCDMX	UTL1102G1W3SCDMX

The Terminating Resistor is only designed to ensure the 120 Ohms impedance on the signal lines, no contact loaded in the power positions.

#20 contacts and plastic plate are not removable.

Standard delivered packaging: individual bag. For bulk delivery of 100 pcs please add a "B" after the P or S (connector gender) and before the potential "03" digits.

Overmoulded cable assembly part number

Layout	Description	Connector and Overmould type		Length*	
		Connector	Overmould type	1m	2m
102G1W3	In line overmoulded cable assembly	Male In line receptacle	Straight	HAUTL12G1W3PS1M	HAUTL12G1W3PS2M
		Male In line receptacle	Right angle	HAUTL12G1W3PR1M	HAUTL12G1W3PR2M
		Female In line receptacle	Straight	HAUTL12G1W3SS1M	HAUTL12G1W3SS2M
		Female In line receptacle	Right angle	HAUTL12G1W3SR1M	HAUTL12G1W3SR2M
	Plug overmoulded cable assembly	Male plug	Straight	HAUTL62G1W3PS1M	HAUTL62G1W3PS2M
		Male plug	Right angle	HAUTL62G1W3PR1M	HAUTL62G1W3PR2M
		Female plug	Straight	HAUTL62G1W3SS1M	HAUTL62G1W3SS2M
		Female plug	Right angle	HAUTL62G1W3SR1M	HAUTL62G1W3SR2M

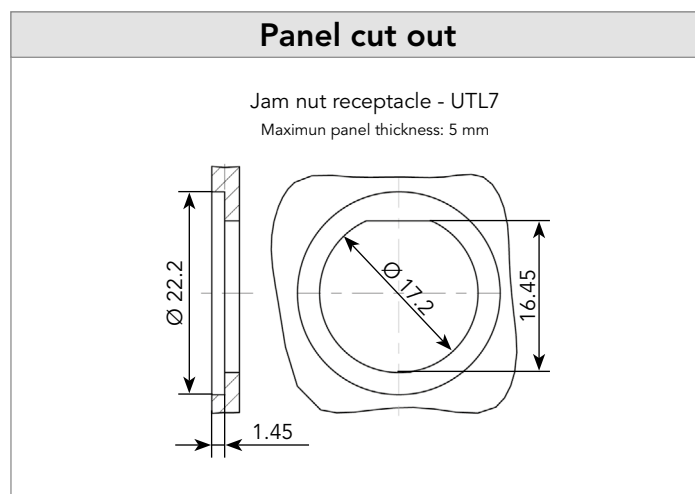
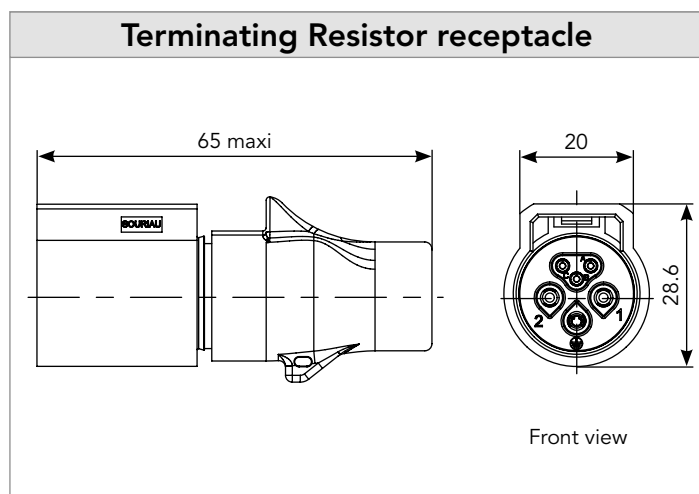
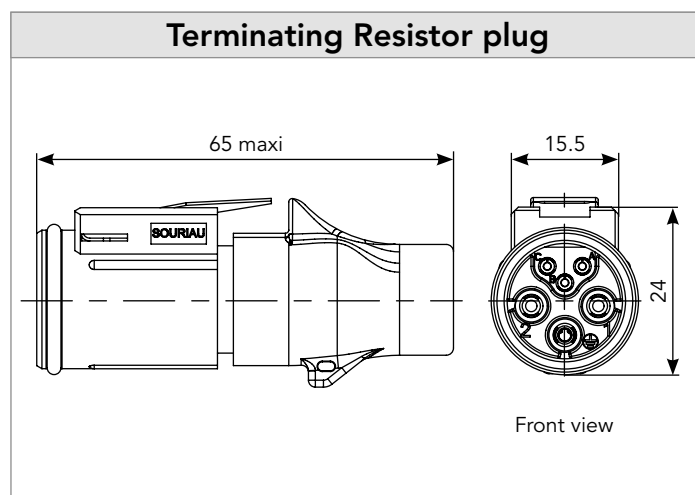
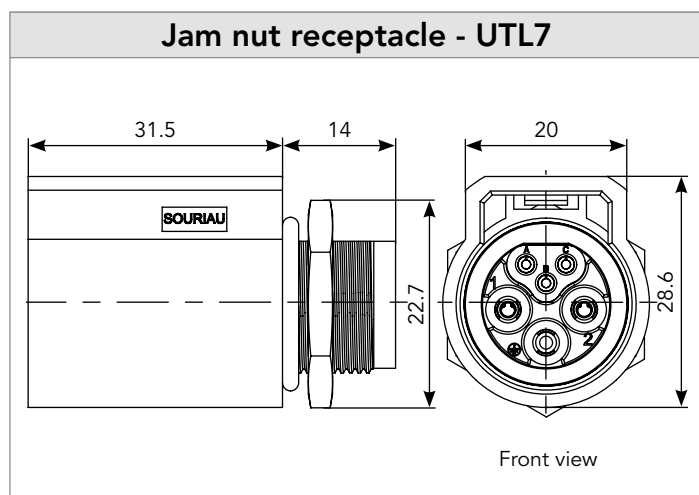
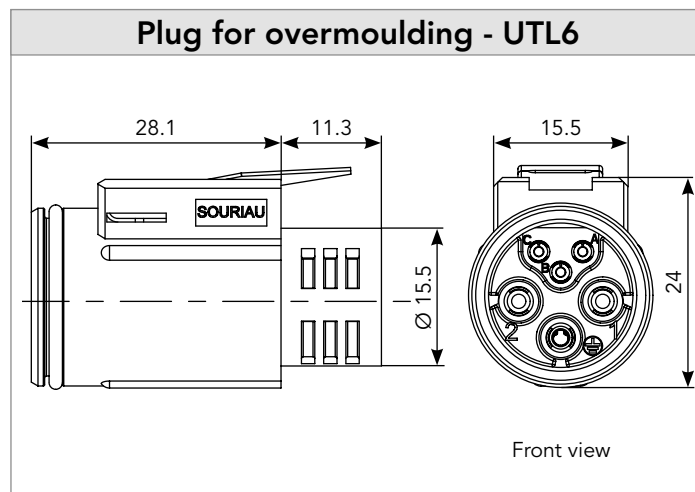
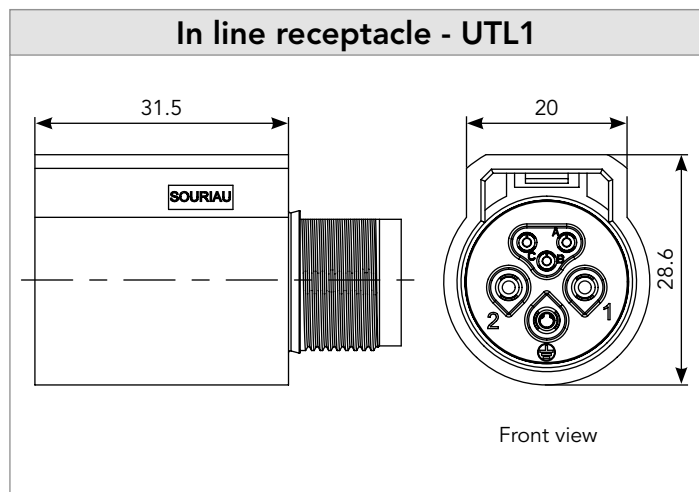
* : Other lengths or specific design requirement please consult us

Evaluation kit

Evaluation kit is composed of 1 connector, contacts and 1 heat shrink boot for a quick and easy assembly production. For more information please see page 68.

102G1W3 (shell size 10, 3x#16 + 3x#20)

Dimensions (for mated connector lengths see page 65)



Note: all dimensions are in mm and for information only

102G1W3 (shell size 10, 3x#16 + 3x#20)

Accessories and tooling

Dustcap for plug

IP67



Part number
UTL610DCG

Dustcap for receptacle

IP67



Part number
UTL10DCG

Handle (without head)



Part number
SHANGLES

Tool kit



Part number
TOOLKIT

Dustcap for male receptacle

IP68/69K



Part number
UTL102G1W3PDCG68

Dustcap for female receptacle

IP68/69K



Part number
UTL102G1W3SDCG68

Extraction tool #16



Part number
RX2025GE1

Insertion tool #16



Part number
RTM205

Extraction tool #20



Part number
RX20D44

Head crimp tooling (without handle)		
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*
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 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 #16 Ø 1.6mm	M20S-1J
RCDXK1D28K		
RM/RC DX60xxD28K		
RM/RC DXK10D28 + YORX090		
RM/RC DX60xxD28		

(1): Example of plating, for other plating options see page 38

(2): loose contact

* Heads to be used with handle PN: SHANGLES



102G1W3 (shell size 10, 3x#16 + 3x#20)**Contacts**

#20	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	26-24	RM24W3K ⁽¹⁾	RC24W3K ⁽¹⁾	0.80	1.60
		22-20	RM20W3K ⁽¹⁾	RC20W3K ⁽¹⁾	1.15	1.60
		20-18	RM18W3K ⁽¹⁾	RC18W3K ⁽¹⁾	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
#16						
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
	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 page 41	RMDXK10D28	RCDXK1D28	-	-
	Cable monocrimp		RMDX60xxD28	RCDX60xxD28	-	-
	Twisted pair multipiece		RMDXK10D28 + YORX090	RCDXK1D28 + YORX090	-	-
	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

*: Coax contacts cannot be used in the ground cavity

Note: all dimensions are in mm

REMINDER**Plugs and receptacles have to be equipped with both contact genders.****EX: UTL6102W3G1P = 2 x SM16M1TK6 (power) + 1 x SC16M1TK6 (ground) + 3 x SM20W3TK6 (signal)****Electrical characteristics**

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

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

IEC
16A 500V 6KV 4
13A 250V 4KV 4 for CBC use

UTL102G1W3 derating curves