

103G1 (shell size 10, 3 + ground, 4x#16)

Contacts

#16	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø
			Male	Female		
Crimp	Machined	30-28	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.021"	0.039"
		26-24	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.031"	0.062"
		22-20	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	0.046"	0.070"
		22-20	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	0.046"	0.086"
		20-16	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	0.070"	0.125"
		16-14	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	0.089"	0.125"
	Machined Sealed (with O-Ring for IP68/69K unmated)	20-16	RM16M25K	RC16M25K	0.070"	0.125"
		16-14	RM14M25K	RC14M25K	0.089"	0.125"
	Stamped & Formed Reeled Contacts See note (2) for loose piece	26-24	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	-	0.035"-0.050"
		22-20	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	-	0.046"-0.081"
18-16		SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	-	0.125"	
18-16		SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	-	0.118"	
14		SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	-	0.125"	
Coaxial	Cable Multipiece	see pages 33, 66 to 67	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 30

(2): For loose piece contact packaging, place "L" in part number. Example: SM20ML1TK6

Note: all dimensions are in inches

REMINDER

Plugs and receptacles have to be equipped with both contact genders.

EX: UTL6103G1P = 3 x SM16M1TK6 + 1 x SC16M1TK6

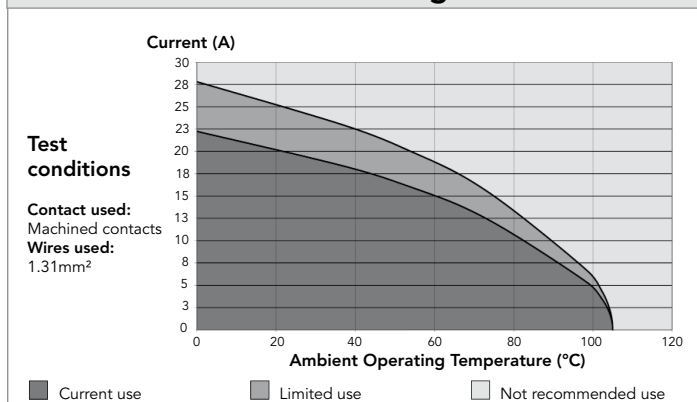
Electrical characteristics

UL
600V 16A UL94 5VA
277V 13A for CBC use

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

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

UTL103G1 derating curves



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

#20	Contact type	AWG	Part number		Max wire Ø	Max insulator Ø		
			Male	Female				
Crimp	Machined	26-24	RM24W3K ⁽¹⁾	RC24W3K ⁽¹⁾	0.031"	0.062"		
		22-20	RM20W3K ⁽¹⁾	RC20W3K ⁽¹⁾	0.045"	0.062"		
		20-18	RM18W3K ⁽¹⁾	RC18W3K ⁽¹⁾	0.051"	0.082"		
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24W3TK6 ⁽¹⁾⁽²⁾	SC24W3TK6 ⁽¹⁾⁽²⁾	-	0.035"-0.062"		
		26-24	SM24W3S26 ⁽¹⁾⁽²⁾	SC24W3S25 ⁽¹⁾⁽²⁾	-	0.035"-0.062"		
		22-20	SM20W3TK6 ⁽¹⁾⁽²⁾	SC20W3TK6 ⁽¹⁾⁽²⁾	-	0.047"-0.082"		
		22-20	SM20W3S26 ⁽¹⁾⁽²⁾	SC20W3S25 ⁽¹⁾⁽²⁾	-	0.047"-0.082"		
Crimp	Machined	30-28	RM28M1K ⁽¹⁾	RC28M1K ⁽¹⁾	0.021"	0.039"		
		26-24	RM24M9K ⁽¹⁾	RC24M9K ⁽¹⁾	0.031"	0.062"		
		22-20	RM20M13K ⁽¹⁾	RC20M13K ⁽¹⁾	0.046"	0.070"		
		22-20	RM20M12K ⁽¹⁾	RC20M12K ⁽¹⁾	0.046"	0.086"		
		20-16	RM16M23K ⁽¹⁾	RC16M23K ⁽¹⁾	0.070"	0.125"		
		16-14	RM14M30K ⁽¹⁾	RC14M30K ⁽¹⁾	0.089"	0.125"		
	Stamped & Formed Reeled Contacts See note (2) for loose piece	26-24	SM24M1TK6 ⁽¹⁾⁽²⁾	SC24M1TK6 ⁽¹⁾⁽²⁾	-	0.035"-0.050"		
		22-20	SM20M1TK6 ⁽¹⁾⁽²⁾	SC20M1TK6 ⁽¹⁾⁽²⁾	-	0.046"-0.081"		
		18-16	SM16M1TK6 ⁽¹⁾⁽²⁾	SC16M1TK6 ⁽¹⁾⁽²⁾	-	0.125"		
		18-16	SM16M11TK6 ⁽¹⁾⁽²⁾	SC16M11TK6 ⁽¹⁾⁽²⁾	-	0.118"		
		14	SM14M1TK6 ⁽¹⁾⁽²⁾	SC14M1TK6 ⁽¹⁾⁽²⁾	-	0.125"		
		Coaxial	Cable Multipiece	see pages 33, 66 to 67	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 30

(2): For loose piece contact packaging, place "L" in part number. Example: SM20ML1TK6

Note: all dimensions are in inches

REMINDER

Plugs and receptacles have to be equipped with both contact genders.
EX: UTL6102W3G1P = 2 x SM16M1TK6 + 1 x SC16M1TK6 + 3 x SM20W3TK6

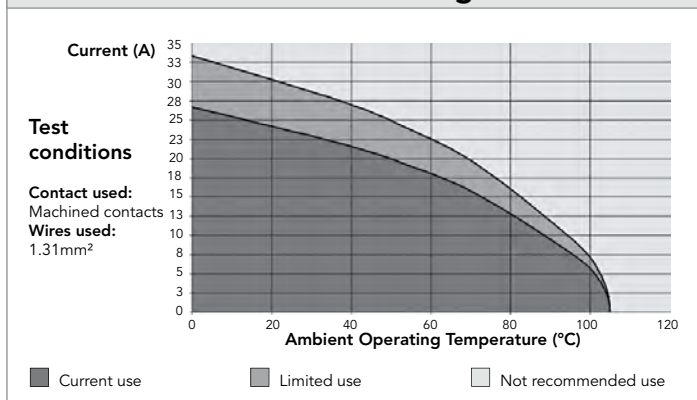
Electrical characteristics

UL
600V 16A UL94 5VA
277V 13A for CBC use

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

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

UTL102G1W3 derating curves



Crimp Contacts

Standard Version



Contact size	Type	Wire size		Part number		Max wire Ø	Max insulator Ø	Available plating see page 30
		AWG	mm ²	Male	Female			
#20 Ø 0.039"	Machined	26-24	0.13-0.20	RM24W3K	RC24W3K	-	0.062" max	K
	Stamped & Formed	26-24	0.13-0.25	SM24W3-(1)	SC24W3-(1)	-	0.035"-0.062"	TK6 S25 (female) S26 (male)
				SM24WL3-(2)	SC24WL3-(2)	-		
	Machined	22-20	0.32-0.52	RM20W3K	RC20W3K	-	0.062" max	K
	Stamped & Formed	22-20	0.35-0.5	SM20W3-(1)	SC20W3-(1)	-	0.046"-0.081"	TK6 S25 (female) S26 (male)
SM20WL3-(2)				SC20WL3-(2)	-			
Machined	20-18	0.50-0.93	RM18W3K	RC18W3K	-	0.082" max	K	
#16 Ø 0.062"	Machined	30-28	0.05-0.08	RM28M1-	RC28M1-	0.021"	0.043"	K, J
	Machined	26-24	0.13-0.2	RM24M9-	RC24M9-	0.031"	0.062"	K, J
	Stamped & Formed	26-24	0.13-0.25	SM24M1-(1)	SC24M1-(1)	0.035"-0.050"	Insulation grip	TK6, S31, S18
				SM24ML1-(2)	SC24ML1-(2)			
	Machined	22-20	0.32-0.52	RM20M13-	RC20M13-	0.046"	0.070"	K, J
				RM20M12-	RC20M12-		0.086"	
	Stamped & Formed	22-20	0.35-0.5	SM20M1-(1)	SC20M1-(1)	0.046"-0.081"	Insulation grip	TK6, S31, S18
				SM20ML1-(2)	SC20ML1-(2)			
	Machined	20-16	0.52-1.5	RM16M23-	RC16M23-	0.070"	0.125"	K, J
	Machined Sealed contact	20-16	0.52-1.5	RM16M25K	RC16M25K	0.070"	0.125"	K
	Stamped & Formed	18-16	0.8-1.5	SM16M1-(1)	SC16M1-(1)	0.118"	No insulation grip	TK6, S31, S18
				SM16ML1-(2)	SC16ML1-(2)			
	Stamped & Formed	18-16	0.8-1.5	SM16M11-(1)	SC16M11-(1)	0.078"-0.118"	Insulation grip	TK6, S31, S18
SM16ML11-(2)				SC16ML11-(2)				
Machined	16-14	1.5-2.5	RM14M30-	RC14M30-	0.089"	0.125"	K, J	
Stamped & Formed	14	2.0-2.5	SM14M1-(1)	SC14M1-(1)	0.125"	No insulation grip	TK6, S31, S18	
			SM14ML1-(2)	SC14ML1-(2)				
Machined Sealed contact	16-14	1.5-2.5	RM14M25K	RC14M25K	0.089"	0.125"	K	

(1) contact reeled (2) loose contact
 Exemple: RM16M3K - Size #16, Machined, 20 AWG wire, gold plating.

REMINDER

Plugs and receptacles have to be equipped with both contact genders. Examples:

UTL6103G1P = 3 x SM16M1TK6 + 1 x SC16M1TK6

UTL6102W3G1P = 2 x SM16M1TK6 + 1 x SC16M1TK6 + 3 x SM20W3TK6

Note: all dimensions are in inches, unless otherwise noted