

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

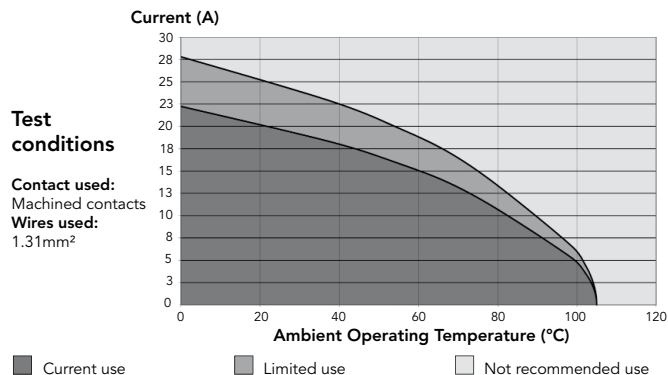
Electrical characteristics

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"
#16						
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

