

# 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 <sup>(1)</sup>	RC28M1K <sup>(1)</sup>	0.021"	0.039"
		26-24	RM24M9K <sup>(1)</sup>	RC24M9K <sup>(1)</sup>	0.031"	0.062"
		22-20	RM20M13K <sup>(1)</sup>	RC20M13K <sup>(1)</sup>	0.046"	0.070"
		22-20	RM20M12K <sup>(1)</sup>	RC20M12K <sup>(1)</sup>	0.046"	0.086"
		20-16	RM16M23K <sup>(1)</sup>	RC16M23K <sup>(1)</sup>	0.070"	0.125"
		16-14	RM14M30K <sup>(1)</sup>	RC14M30K <sup>(1)</sup>	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 <sup>(1)(2)</sup>	SC24M1TK6 <sup>(1)(2)</sup>	-	0.035"-0.050"
		22-20	SM20M1TK6 <sup>(1)(2)</sup>	SC20M1TK6 <sup>(1)(2)</sup>	-	0.046"-0.081"
		18-16	SM16M1TK6 <sup>(1)(2)</sup>	SC16M1TK6 <sup>(1)(2)</sup>	-	0.125"
18-16		SM16M11TK6 <sup>(1)(2)</sup>	SC16M11TK6 <sup>(1)(2)</sup>	-	0.118"	
14		SM14M1TK6 <sup>(1)(2)</sup>	SC14M1TK6 <sup>(1)(2)</sup>	-	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

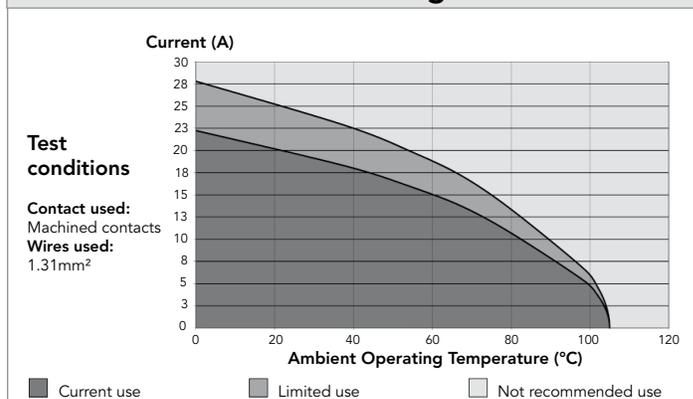
### Electrical characteristics

**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 <sup>(1)</sup>	RC24W3K <sup>(1)</sup>	0.031"	0.062"
		22-20	RM20W3K <sup>(1)</sup>	RC20W3K <sup>(1)</sup>	0.045"	0.062"
		20-18	RM18W3K <sup>(1)</sup>	RC18W3K <sup>(1)</sup>	0.051"	0.082"
	Stamped & Formed reeled contacts See note (2) for loose piece	26-24	SM24W3TK6 <sup>(1)(2)</sup>	SC24W3TK6 <sup>(1)(2)</sup>	-	0.035"-0.062"
		26-24	SM24W3S26 <sup>(1)(2)</sup>	SC24W3S25 <sup>(1)(2)</sup>	-	0.035"-0.062"
		22-20	SM20W3TK6 <sup>(1)(2)</sup>	SC20W3TK6 <sup>(1)(2)</sup>	-	0.047"-0.082"
		22-20	SM20W3S26 <sup>(1)(2)</sup>	SC20W3S25 <sup>(1)(2)</sup>	-	0.047"-0.082"
	Crimp	Machined	30-28	RM28M1K <sup>(1)</sup>	RC28M1K <sup>(1)</sup>	0.021"
26-24			RM24M9K <sup>(1)</sup>	RC24M9K <sup>(1)</sup>	0.031"	0.062"
22-20			RM20M13K <sup>(1)</sup>	RC20M13K <sup>(1)</sup>	0.046"	0.070"
22-20			RM20M12K <sup>(1)</sup>	RC20M12K <sup>(1)</sup>	0.046"	0.086"
20-16			RM16M23K <sup>(1)</sup>	RC16M23K <sup>(1)</sup>	0.070"	0.125"
16-14			RM14M30K <sup>(1)</sup>	RC14M30K <sup>(1)</sup>	0.089"	0.125"
Stamped & Formed Reeled Contacts See note (2) for loose piece		26-24	SM24M1TK6 <sup>(1)(2)</sup>	SC24M1TK6 <sup>(1)(2)</sup>	-	0.035"-0.050"
		22-20	SM20M1TK6 <sup>(1)(2)</sup>	SC20M1TK6 <sup>(1)(2)</sup>	-	0.046"-0.081"
		18-16	SM16M1TK6 <sup>(1)(2)</sup>	SC16M1TK6 <sup>(1)(2)</sup>	-	0.125"
		18-16	SM16M11TK6 <sup>(1)(2)</sup>	SC16M11TK6 <sup>(1)(2)</sup>	-	0.118"
		14	SM14M1TK6 <sup>(1)(2)</sup>	SC14M1TK6 <sup>(1)(2)</sup>	-	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

