

■ Features

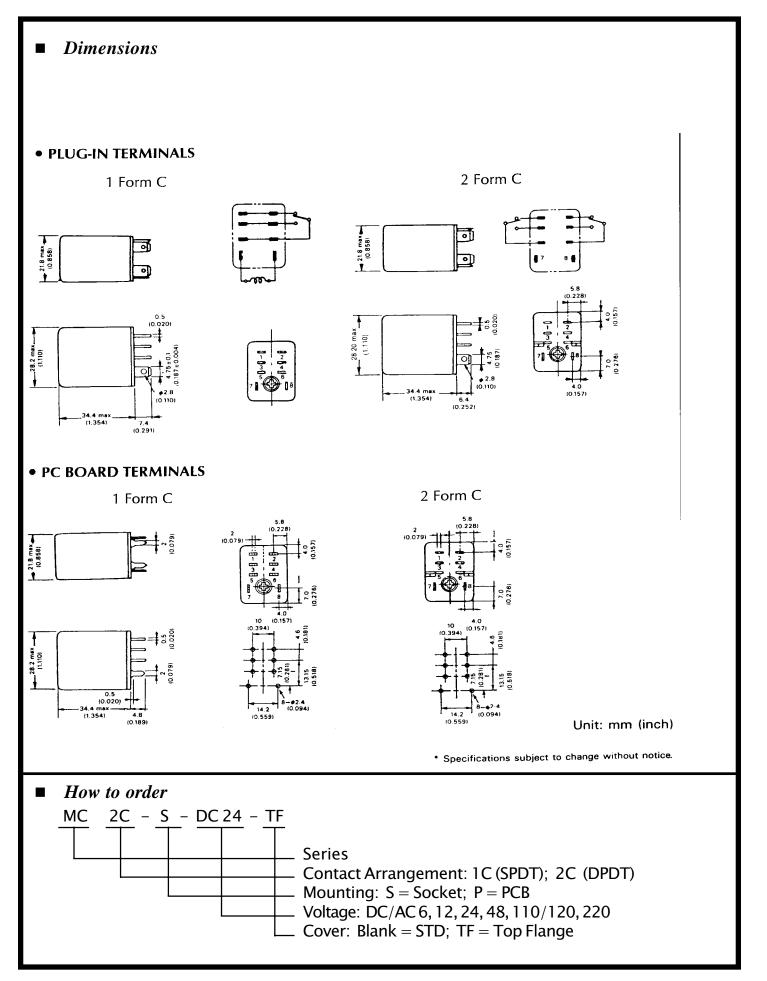
- Long Life
- 2 Contact Arrangement
 - 1 Form C For 15A
 - 2 Form C For 10A
- Applicable For Low To High Level Loads
- PCB Terminal & Plug-In Available

■ Coil	Rating
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UL E1 55513 CSA LR76479M1					

6VDC 40 150 4.8VDC 0.6VDC 12VDC 160 75 9.6VDC 1.2VDC 24VDC 650 37 19.2VDC 2.4VDC 48VDC 2.600 18.5 38.4VDC 2.4VDC 100VDC 11,000 9.1 80.0VDC 10.0VDC 12VAC - 95 9.6VAC 3.6VAC 24VAC - 56 19.2VAC 7.2VAC 48VAC - 26 38.4VAC 14.4VAC 110VAC - 11 88.0VAC 33.0VAC 220VAC - 6.8 176.0VAC 66.0VAC 220VAC - 6.8 176.0VAC 10A 120VAC Contact Arrangement SPDT DPDT DPDT Contact Material AgCdO Contact Rating 15 A 120VAC 10A 28VDC 7.5A 220VAC 10A 28VDC 10A 20VAC 10A	Nomir	nal	Coil Resistance	Nominal Current	Pick-up Voltage		Drop-Put Voltage	Nominal Power (W)	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Voltag	ge	(±10%)	(mA)	(Ma	x.)	(Min.)	Consumption	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	6VD	С	40	150	4.8VDC		0.6VDC		
$\begin{tabular}{ c c c c c c } \hline $48 \mbox{VDC} & $2,600 & $18.5 & $38.4 \mbox{VDC} & $4.8 \mbox{VDC} \\ \hline $100 \mbox{VDC} & $11,000 & $9.1 & $80.0 \mbox{VDC} & $10.0 \mbox{VDC} \\ \hline $6 \mbox{VAC} & $-$ & $183 & $4.8 \mbox{VAC} & $1.8 \mbox{VAC} \\ \hline $12 \mbox{VAC} & $-$ & $95 & $9.6 \mbox{VAC} & $3.6 \mbox{VAC} \\ \hline $24 \mbox{VAC} & $-$ & $26 & $38.4 \mbox{VAC} & $14.4 \mbox{VAC} \\ \hline $48 \mbox{VAC} & $-$ & $26 & $38.4 \mbox{VAC} & $13.0 \mbox{VAC} \\ \hline $48 \mbox{VAC} & $-$ & $26 & $38.4 \mbox{VAC} & $13.0 \mbox{VAC} \\ \hline $10 \mbox{VAC} & $-$ & $11 & $88.0 \mbox{VAC} & $33.0 \mbox{VAC} \\ \hline $220 \mbox{VAC} & $-$ & $6.8 & $176.0 \mbox{VAC} & $66.0 \mbox{VAC} \\ \hline $220 \mbox{VAC} & $-$ & $6.8 & $176.0 \mbox{VAC} & $66.0 \mbox{VAC} \\ \hline $200 \mbox{VAC} & $-$ & $6.8 & $176.0 \mbox{VAC} & $66.0 \mbox{VAC} \\ \hline $0 \mbox{Contact} \mbox{Arrangement} & $SPDT & $DPDT \\ \hline $Contact \mbox{Material} & $AgCdO \\ \hline $Contact \mbox{Rating} & $15A \mbox{120 \mbox{VAC} } $10A \mbox{120 \mbox{VAC} \\ \hline $15A \mbox{28 \mbox{VDC} }$10A \mbox{220 \mbox{VAC} \\ \hline $10A \mbox{200 \mbox{VAC} $10A \mbox{200 \mbox{VAC} } $10A \mbox{200 \mbox{VAC} \\ \hline $Max. \mbox{Operating \mbox{Current} $15A $ $10A \mbox{Contact} \mbox{(initial)} \\ \hline $Insulation \mbox{Resistance} $ $Min. 100 \mbox{(at $500 \mbox{VDC} $) \\ \hline $Dielectric \mbox{Strength} $ $2000 \mbox{V} \\ \hline $Dielectric \mbox{Strength} $ $150 \mbox{VAC between \mbox{Oper Contact} \mbox{(1 \ Min.)} \\ \hline $Surge \mbox{Strength} $ $2000 \mbox{V} \\ \hline $Max. \mbox{25mS} $ $Release \mbox{Time} $ $Max. \mbox{25mS} $ $Release \mbox{Time} $ $Max. \mbox{25mS} $ $Release \mbox{Time} $ $200 \mbox{V} \\ \hline $Min. \mbox{100 \ Operating \mbox{Resistance} $ $1.0 \mbox{Mm} \ D.4 \ 0 \ \end{tabular} \\ \hline $Mobx{Resistance} $ $1.0 \mbox{Mm} \ D.4 \ 0 \ \end{tabular} \\ \hline $Mobx{Resistance} $ $Min. \ 200 \ \mbox{Vibration \mbox{Resistance} $ $Min. \ 20 \ \mbox{C} \\ \hline $Max. \ 0 \ \mbox{Resistance} $ $Min. \ 20 \ \mbox{C} \\ \hline $Min \ 100 \ \mbox{Resistance} $ $Min. \ 20 \ \mbox{C} \\ \hline $Mobx{Resistance} $ $Min. \ 20 \ \mbox{Resistance} $ $	12VD	C	160	75	9.6VDC		1.2VDC		
$\begin{tabular}{ c c c c c c } \hline 100VDC & 11,000 & 9.1 & 80.0VDC & 10.0VDC \\ \hline 6VAC & - & 183 & 4.8VAC & 1.8VAC \\ \hline 12VAC & - & 95 & 9.6VAC & 3.6VAC \\ \hline 24VAC & - & 56 & 19.2VAC & 7.2VAC \\ \hline 48VAC & - & 26 & 38.4VAC & 14.4VAC \\ \hline 110VAC & - & 11 & 88.0VAC & 33.0VAC \\ \hline 220VAC & - & 6.8 & 176.0VAC & 66.0VAC \\ \hline $$ Specifications \\ \hline $$ Contact Arrangement & SPDT & DPDT \\ \hline $$ Contact Arrangement & SPDT & DPDT \\ \hline $$ Contact Arrangement & SPDT & DPDT \\ \hline $$ Contact Material & AgCdO \\ \hline $$ Contact Rating & 15.A 120VAC & 10A 120VAC \\ $$ 15.A 28VDC & 10A 28VDC & $$ 7.5A 220VAC \\ \hline $$ Max. Operating Voltage & $$ 250VAC, 120VDC \\ \hline $$ Max. Operating Current & 15A & 10A \\ \hline $$ Contact Resistance & Min. 100w (at 500VDC) \\ \hline $$ Dielectric Strength & 2000V \\ \hline $$ Operate Time & Max. 25mS \\ \hline $$ Release Time & Max. 25mS \\ \hline $$ Ambient Temperature & - 20'C ~ + 40'C \\ \hline $$ Vibration Resistance & 1.0mm D.A. 10 ~ 55Hz \\ \hline $$ Shock Resistance & Min. 20G \\ \hline $$ Wechanical & 1x10 (AC), 5 x 10 (DC) Operations \\ \hline $$ Life $$ $$ Mechanical & 1x10 (AC), 5 x 10 (DC) Operations \\ \hline $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$	24VD	C	650	37	19.2	/DC	2.4VDC	Approx 0.90	
$6VAC$ -183 $4.8VAC$ $1.8VAC$ $12VAC$ -95 $9.6VAC$ $3.6VAC$ $24VAC$ -56 $19.2VAC$ $7.2VAC$ $48VAC$ -26 $38.4VAC$ $14.4VAC$ $110VAC$ -11 $88.0VAC$ $33.0VAC$ $220VAC$ - 6.8 $176.0VAC$ $66.0VAC$ $000AC$ $00AC$ $00AC$ $00AC$ $00AC$ $000AC$ $00AC$ $10A$ $120VAC$ $10A$ $000V$ $00Perating Current$ $15A$ $10A$ $10A$ $000VC$ $00C$ $00W$ $00VC$ $00VC$ $000V$ $00Perate Time$ $Max. 25mS$ $Ambient Temperature$ $-20'C \sim + 40'C$ $000V$ $00Perate Time$ $Max. 25mS$ $Ambient Temperature$ $-20'C \sim + 40'C$ $000C$ $00C$ $00C$ $00C$ $00C$ $00C$ $000C$ $00C$ $00C$ $00C$ $00C$ $000V$ $00Perate Time$ $Max. 25mS$ $00C$ <td>48VD</td> <td>C</td> <td>2,600</td> <td>18.5</td> <td colspan="2">38.4VDC</td> <td>4.8VDC</td> <td></td>	48VD	C	2,600	18.5	38.4VDC		4.8VDC		
$\begin{array}{ c c c c c }\hline 12VAC & - & 95 & 9.6VAC & 3.6VAC \\ \hline 24VAC & - & 56 & 19.2VAC & 7.2VAC \\ \hline 48VAC & - & 26 & 38.4VAC & 14.4VAC \\ \hline 110VAC & - & 11 & 88.0VAC & 33.0VAC \\ \hline 220VAC & - & 6.8 & 176.0VAC & 66.0VAC \\ \hline Specifications \\\hline \hline Contact Arrangement & SPDT & DPDT \\\hline Contact Material & AgCdO \\\hline \hline Contact Rating & 15 A 120VAC & 10A 120VAC \\ \hline 15 A 28VDC & 10A 28VDC \\\hline Max. Operating Voltage & 250VAC, 120VDC \\\hline Max. Operating Current & 15A & 10A \\\hline Contact Resistance & Max. 50mW (initial) \\\hline Insulation Resistance & Min. 100W (at 500VDC) \\\hline \hline Dielectric Strength & 2000V \\\hline Operate Time & Max. 25mS \\\hline Release Time & Max. 25mS \\\hline Ambient Temperature & -20'C ~ + 40'C \\\hline Vibration Resistance & Min. 20G \\\hline \hline Mechanical & 1x10 (AC), 5x10 (DC) Operations \\\hline \hline Life & Mechanical & 1x10 (AC), 5x10 (DC) Operations \\\hline \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	100VE	DC	11,000	9.1	80.0\	/DC	10.0VDC		
$\begin{array}{ c c c c c c c c } \hline 24VAC & - & 56 & 19.2VAC & 7.2VAC \\ \hline 48VAC & - & 26 & 38.4VAC & 14.4VAC \\ \hline 110VAC & - & 11 & 88.0VAC & 33.0VAC \\ \hline 220VAC & - & 6.8 & 176.0VAC & 66.0VAC \\ \hline \hline Specifications \\ \hline \hline Contact Arrangement & SPDT & DPDT \\ \hline \hline Contact Material & AgCdO \\ \hline \hline Contact Rating & 15 A 120VAC & 10A 120VAC \\ \hline 15 A 28VDC & 10A 120VAC \\ \hline 15 A 28VDC & 10A 28VDC \\ \hline \hline Max. Operating Voltage & 250VAC, 120VDC \\ \hline Max. Operating Current & 15A & 10A \\ \hline \hline Contact Resistance & Max. 50mW (initial) \\ \hline Insulation Resistance & Min. 100W (at 500VDC) \\ \hline \hline Dielectric Strength & 2000V \\ \hline Operate Time & Max. 25mS \\ \hline Release Time & Max. 25mS \\ \hline Ambient Temperature & - 20^{\circ}C ~ + 40^{\circ}C \\ \hline \hline Vibration Resistance & 1.0mm D.A. 10~55Hz \\ \hline Shock Resistance & Min. 20G \\ \hline \hline Life & Mechanical & 1x10^{\circ} (AC), 5 x 10^{\circ} (DC) Operations \\ \hline \hline \end{array}$	6VA0	С	_	183	4.8\	/AC	1.8VAC		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	12VA	NC	_	95	9.6\	/AC	3.6VAC		
$\begin{array}{ c c c c c c } \hline 110 VAC & - & 11 & 88.0VAC & 33.0VAC \\ \hline 220VAC & - & 6.8 & 176.0VAC & 66.0VAC \\ \hline Specifications \\ \hline Contact Arrangement & SPDT & DPDT \\ \hline Contact Material & AgCdO \\ \hline Contact Rating & 15 A 120VAC & 10A 120VAC & 7.5A 220VAC \\ 15 A 28VDC & 10A 28VDC & 7.5A 220VAC \\ \hline Max. Operating Voltage & 250VAC, 120VDC \\ \hline Max. Operating Current & 15A & 10A \\ \hline Contact Resistance & Max. 50mW (initial) \\ \hline Insulation Resistance & Min. 100W (at 500VDC) \\ \hline Dielectric Strength & 2000V \\ \hline Operate Time & Max. 25mS \\ \hline Release Time & Max. 25mS \\ \hline Release Time & Max. 25mS \\ \hline Ambient Temperature & -20^{\circ}C & +40^{\circ}C \\ \hline Vibration Resistance & Min. 20G \\ \hline Life & Mechanical & 1x10^{\circ} (AC, 5 x 10^{\circ} (DC) Operations \\ \hline \end{array}$	24VA	٨C	_	56	19.2VAC		7.2VAC	Approx.	
220VAC-6.8176.0VAC66.0VACSpecificationsSPDTDPDTContact ArrangementSPDTDPDTContact MaterialAgCdOContact Rating15 A 120VAC10A 120VAC15 A 28VDC10A 28VDC7.5A 220VACMax. Operating Voltage250VAC, 120VDCMax. Operating Current15A10AContact ResistanceMax. 50mw (initial)Insulation ResistanceMin. 100w (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanicalInterval1x10 (AC), 5 x 10 (DC) OperationsElectrical5x10 Operations	48VA	٨C	_	26	38.4VAC		14.4VAC	1.2VA	
SpecificationsContact ArrangementSPDTDPDTContact MaterialAgCdOContact Rating15 A 120VAC10A 120VACT5 A 28VDC10A 28VDC7.5A 220VACMax. Operating Voltage250VAC, 120VDCMax. Operating Current15A10AContact ResistanceMax. 50mW (initial)Insulation ResistanceMin. 100W (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10 ~55HzShock ResistanceMin. 20GLifeMechanicalInsulation1 x 10° (AC), 5 x 10° (DC) Operations	110VA	AC	_	11	88.0VAC		33.0VAC		
$\begin{tabular}{ c c c c c c } \hline Contact Arrangement & SPDT & DPDT \\ \hline Contact Material & AgCdO \\ \hline Contact Material & 15 A 120VAC & 10A 120VAC & 10A 28VDC \\ \hline Contact Rating & 15 A 28VDC & 10A 28VDC & 7.5A 220VAC \\ \hline Max. Operating Voltage & 250VAC, 120VDC \\ \hline Max. Operating Current & 15A & 10A & 0& 0& 0& 0& 0& 0& 0& 0& 0& 0& 0& 0& 0$	220VA	AC	_	6.8	176.0\	/AC	66.0VAC		
Contact MaterialAgCdOContact Rating15 A 120VAC 15 A 28VDC10A 120VAC 10A 28VDCMax. Operating Voltage250VAC, 120VDCMax. Operating Current15A10AContact ResistanceMax. 50mW (initial)Insulation ResistanceMin. 100w (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration ResistanceMin. 20GLifeMechanicalIter Max. 10 Operations	Spe	cificat	ions						
$\begin{tabular}{ c c c c c } \hline & 15 & 120 & VAC & 10 & 120 & VAC & 10 & 28 & VDC & 10 & 10 & 28 & VDC & 10 & 28 & VDC & 10 & 10 & VDC & 10 & VDC & 10 & VDC & 10 & VDC & VDC & VDC & VDC & VDC & 10 & VDC & 10 & VDC &$	Contact	Arrange	ement	SPDT	-		DPD	T	
Contact Rating15 A 28VDC10A 28VDC7.5A 220VACMax. Operating Voltage250VAC, 120VDCMax. Operating Current15A10AContact ResistanceMax. 50mW (initial)Insulation ResistanceMin. 100W (at 500VDC)Dielectric Strength1500VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanicalIterrical5x10 Operations	Contact	: Materia	I		AgCdO				
Is A 28VDC10A 28VDCMax. Operating Voltage250VAC, 120VDCMax. Operating Current15A10AContact ResistanceMax. 50mw (initial)Insulation ResistanceMin. 100w (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanicalInsulation Contact1 x10° (AC), 5 x 10° (DC) Operations	Contract	Dations		15 A 120VAC	15 A 120VAC 10.		A 120VAC		
Max. Operating Current15A10AContact ResistanceMax. 50mw (initial)Insulation ResistanceMin. 100w (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature $-20^{\circ}C \sim + 40^{\circ}C$ Vibration Resistance1.0mm D.A. 10 ~55HzShock ResistanceMin. 20GLifeMechanical1x10 (AC), 5x10 (DC) Operations	Contact	Rating		15 A 28VDC	15 A 28VDC 10		A 28VDC		
Contact ResistanceMax. 50mw (initial)Insulation ResistanceMin. 100w (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanical1x10 (AC), 5 x 10 (DC) Operations	Max. Operating Voltage				250VAC, 120VDC				
Insulation ResistanceMin. 100w (at 500VDC)Dielectric Strength1000VAC between Open Contact (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanicalLifeMechanicalSx10° Operations	Max. Op	Max. Operating Current			15A 10A				
Dielectric Strength1000VAC between Open Contact (1 Min.) 1500VAC between Coil & Contacts (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10 ~55HzShock ResistanceMin. 20GLifeMechanicalIfe1x10 (AC), 5 x 10 (DC) Operations	Contact Resistance				Max. 50mw (initial)				
Dielectric Strength1500VAC between Coil & Contacts (1 Min.)Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanical1 x10° (AC), 5 x 10° (DC) OperationsElectrical5x10° Operations	Insulation Resistance			Min. 100w (at 500VDC)					
Surge Strength2000VOperate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature- 20°C ~ + 40°CVibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanicalElectrical5x10° Operations	Dialactric Strongth			1000VAC between Open Contact (1 Min.)					
Operate TimeMax. 25mSRelease TimeMax. 25mSAmbient Temperature $-20^{\circ}C \sim +40^{\circ}C$ Vibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanical $1 \times 10^{\circ}$ (AC), $5 \times 10^{\circ}$ (DC) OperationsElectrical $5 \times 10^{\circ}$ Operations	Dielectric Strength			1500VAC k	1500VAC between Coil & Contacts (1 Min.)				
Release TimeMax. 25mSAmbient Temperature $-20^{\circ}C \sim +40^{\circ}C$ Vibration Resistance $1.0mm D.A. 10 \sim 55Hz$ Shock ResistanceMin. 20GLifeMechanical $1 \times 10^{\circ}$ (AC), $5 \times 10^{\circ}$ (DC) OperationsElectrical $5 \times 10^{\circ}$ Operations	Surge Strength			2000V	2000V				
Ambient Temperature $-20^{\circ}C \sim +40^{\circ}C$ Vibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanical $1 \times 10^{\circ}$ (AC), $5 \times 10^{\circ}$ (DC) OperationsElectrical $5 \times 10^{\circ}$ Operations	Operate Time			Max. 25mS	Max. 25mS				
Vibration Resistance1.0mm D.A. 10~55HzShock ResistanceMin. 20GLifeMechanical1×10 (AC), 5 × 10 (DC) OperationsElectrical5×10 Operations	Release Time			Max. 25mS	Max. 25mS				
Shock ResistanceMin. 20GLifeMechanical1x10 (AC), 5x10 (DC) OperationsElectrical5x10 Operations	Ambient Temperature			– 20°C ~ +	- 20°C ~ + 40°C				
LifeMechanical1x10 (AC), 5 x 10 (DC) OperationsElectrical5x10 Operations	Vibration Resistance								
Life Electrical 5x10 Operations									
Electrical SXIC Operations	Life	Me	chanical	1x10 (AC)					
		Ele	ctrical	5x10 Oper	5x1の Operations				
weights Approx. 35g	Weights	5		Approx. 35	Approx. 35g				



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