

EAN code CRM-181J/UNI ZR: 8595188176606 CRM-181J/UNI ZN: 8595188176613 CRM-181J/UNI BL: 8595188176620 CRM-181J/UNI OD: 8595188176637

CRM-183J/UNI ZR: 8595188176743 CRM-183J/UNI ZN: 8595188176750 CRM-183J/UNI BL: 8595188176767 CRM-183J/UNI OD: 8595188176774

Power supplySupply terminals: $A1 - A2$ Voltage range: $AC/DC 12 - 240 \lor (AC 50 - 60 Hz)$ Power input (max.): $2 \lor A/1.5 W$ Supply voltage tolerance: $-15 \%; +10 \%$ Supply indication: $greem LD$ Time circuit $greem LD$ Time setting: $0.1 \ s - 100 \ h$ Time setting: $0.1 \ s - 100 \ h$ Time concertain $5 \% - mechanical settingRepeat accuracy:0.2 \% - set \lor lue stabilityOutput contact 1:1x \ changeour / SPDT (AgNi)Current rating:16 \ A/C1Breaking capacity:4000 \lor A/ < I, 384 \lor / DCElectrical life (AC1):50 \ coo operationsOutput contact 2 (3):xSwitching voltage:250\lor A/ < 4WOutput contact 3:xBreaking capacity:1.2 \lor aElectrical life (AC1):xBreaking capacity:1.2 \lor aSwitching voltage:250\lor A/ < 4WOutput contact 2 (3):xSwitching voltage:250\lor A/ < 4WOutput indication:multifunction red LEDMachanical life:10 \ 000 \ operationsSwitching voltage:-20\degree C \ to +55 \degree C \ -4\degree F \ to 131 \degree F \ Storage temperature:Control terminals:A = SLoad between S-A2:W \land ACSupply - output 14K \land ACSupply - output 14K \lor ACSupply - output 14K \land ACSupply - output 14K \land ACSupply - output 14K \land ACSupply$	Technical parameters	CRM-181J	CRM-183J	
Voltage range: $AC/DC 12 - 240 \lor (AC 50 - 60 Hz)$ Power input (max.): $2 \lor A/ 1.5 \lor$ $2.5 \lor A/ 1.5 \lor$ Supply voltage tolerance: $-15 \because; +10 \And$ Supply indication: $green LED$ Time circuit $0.1 s - 100 h$ Time setting:rotary switch and potentiometerTime dircuit $0.1 s - 100 h$ Time dircuit $0.1 s - 100 h$ Time dircuit $0.1 \circ - 0 c (.0.1 \And / F, at = 68°F)$ Output $0.01 \And / °C, at = 20 °C (.0.01 \And / °F, at = 68°F)$ Output $0.01 \And / °C, at = 20 °C (.0.1 \And / °F, at = 68°F)$ Output $16 \land / AC1$ Breaking capacity: $4000 \lor A/ C1, 384 \lor / DC$ Electrical life (AC1): $50 000 = rations$ Output contact 2 (3):x $2x \ chang. / DPDT (AgNi)$ Current rating: x $8 \land / AC1$ Breaking capacity: x $2000 \lor A/ C1, 192 \lor / DC$ Electrical life (AC1): x $10 000 \ operations$ Switching voltage: $220V \land / 24V \ DC$ Max. power dissipation: $1.2 \lor 2 \ 2.4 \circlearrowright DC$ Max. power dissipation: $1.2 \lor 2 \ 2.4 \circlearrowright DC$ Max. power dissipation: $1.2 \lor 3 \ 2.4 \circlearrowright DC$ Indecharize infigure $30 \degree C to +55 \ C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +55 \ C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +55 \ C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +55 \ C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +55 \ C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +55 \ C (-4 °F to 131 °F)$ <tr< th=""><th>Power supply</th><th></th><th></th></tr<>	Power supply			
Power input (max.): $2 VA/1.5 W$ $2.5 VA/1.5 W$ Supply voltage tolerance: $-15 \%; +10 \%$ Supply indication: $green LED$ Time circuit $rotary switch and potentiometer$ Time setting: $0.1 s - 100 h$ Time setting: $rotary switch and potentiometer$ Time deviation: $5 \% - mechanical setting$ Repeat accuracy: $0.2 \% - set v = tability$ Temperature coefficient: $0.01\% / °C, at = 20 °C (0.1 \% / °F, at = 68°F)$ Output $Ta changeover / SPDT (AgNi)$ Current rating: $16 A / AC1$ Breaking capacity: $4000 VA / AC1, 384 W / DC$ Electrical life (AC1): $50 000 \circ v = rations$ Output contact 2 (3): x $2x chang. / DPDT (AgNi)$ Current rating: x $8 A / AC1$ Breaking capacity: x $200 VA / AC1, 192 W / DC$ Electrical life (AC1): x $10 000 operations$ Switching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunction red LEDMechanical life: $10 000 000 \cup v = rations$ Control $min. 25 ms max. unlimited$ Reset time: $max. 150 ms$ Other information $min. 25 ms max. unlimited$ Operating temperature: $-20 °C to +55 °C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +55 °C (-4 °F to 131 °F)$ Storage temperature: $-30 °C to +70 °C (-22 °F to 158 °F)$ Dielectrical strength: $supply - output 1$ $supply - output 1$ $4k V AC$ </td <td></td> <td colspan="2">A1 - A2</td>		A1 - A2		
Supply voltage tolerance:-15 %; +10 %Supply indication:green LEDTime circuit $rime circuit$ Time setting: $0.1 s - 100 h$ Time setting:rotary switch and potentiometerTime deviation: 5% - mechanical settingRepeat accuracy: 0.2% - set value stabilityOutput $0.01\% / °C$, at $= 20 °C (0.11 % / °F, at = 68°F)OutputOutputOutput contact 1:1x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 34 W / DCElectrical life (AC1):20 000 verationsOutput contact 2 (3):x20 00 VA / AC1, 192 W / DCCletcrical life (AC1):x10 000 operationsSwitching voltage:250V AC / 24V DCMach, power dissipation:1.2 W2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 verationsControlCControl terminals:A1-5Load between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:-30 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:3v A AC1supply - output 14kV ACsupply - output 2x4000 000 Terminals:4000 000 Terminals4000 000 Terminals:4000 000 TerminalsDielectrical strength:3v A AC1 FerminalsSupply - output 14kV A$	Voltage range:	AC/DC 12 - 240 V (AC 50 - 60 Hz)		
Supply indication: green LEDTime circuitTime ranges: $0.1 \ s - 100 \ h$ Time setting:rotary switch and potentiometerTime deviation: $5 \ \% - \ mechanical settingRepeat accuracy:0.2 \ \% - \ set \ value \ stabilityOutputOutputOutput contact 1:1 Ix changeover / SPDT (AgNi)Current rating:1 6 \ A \ AC1Breaking capacity:4000 VA / A \ T 384 W / DCElectrical life (AC1):S0 000 \rightarrow rationsOutput contact 2 (3):xOutput contact 2 (3):xOutput contact 2 (3):xSwitching capacity:xSwitching voltage:2000 VA / AC1, 192 W / DCElectrical life (AC1):xSwitching voltage:250V AC / 24V DCMax. power dissipation:1.2 WQutput indication:multifunction red LEDMax. power dissipation:1.2 WControlControlControl terminals:A 1-5Load between S-A2:YesImpulse length:man. 150 msOther informationmultifunction:Operating temperature:-20 °C to +55 °C (4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (4 °$	Power input (max.):	2 VA / 1.5 W	2.5 VA / 1.5 W	
Supply indication:green LEDTime circuitTime ranges: $0.1 s - 100 h$ Time setting:rotary switch and potentiometerTime deviation: 5% - mechanical settingRepeat accuracy: 0.2% - set vilue stabilityOutput $0.01\% / °C$, at $= 20 °C (0.01 % / °F, at = 68°F)OutputOutputOutput contact 1:1x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / A < T_3 84 W / DCElectrical life (AC1):S0 000 > vertionsOutput contact 2 (3):x2x chang. / DPDT (AgNi)Current rating:x8 A / AC1Breaking capacity:2 x chang. / DPDT (AgNi)Current rating:x2000 VA / A(T, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage:250V A / 24V DCMax. power dissipation:1.2 W2.4 WOutput indication:multifunction red LEDMachanical life:10 000 000 = verationsControlImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationmin. 25 m c / 4 °F to 131 °FOperating temperature:-20° C to +55 °C / 4 °F to 131 °FStorage temperature:-30° C to +70° C + 22 °F to 158 °FSupply - output 14kV ACsupply - output 2x1kV ACoutput 1 - output 2x1kV ACoutput 1 - output 3x1kV ACout$	Supply voltage tolerance:	-15 %; +10 %		
Time circuitTime ranges: $0.1 s - 100 h$ Time setting:rotary switch and potentiometerTime deviation: $5 \% - mechanical setting$ Repeat accuracy: $0.2 \% - set value stability$ Temperature coefficient: $0.01\% / ^{\circ}C$, at $= 20 °C (0.01 \% / ^{\circ}F$, at $= 68°F$)OutputOutput contact 1: $1x changeover / SPDT (AgNi)$ Current rating: $16 A / AC1$ Breaking capacity: $4000 VA / AC1$, $384 W / DC$ Electrical life (AC1): $50 000 = vartions$ Output contact 2 (3):x $2x chang. / DPDT (AgNi)$ Current rating:x $8 A / AC1$ Breaking capacity:x $2000 VA / AC1$, $192 W / DC$ Electrical life (AC1):x $10 000 operations$ Switching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunction red LEDMechanical life: $10 000 000 \cup perations$ ControlImpulse length:Control terminals: $A1-5$ Load between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time: $max. 20° C to +55 °C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +57 °C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +70 °C (-22 °F to 158 °F)$ Dielectrical strength: $supply - output 1$ $4kV AC$ $supply - output 2$ x $1kV AC$ $output 1 - output 2$ x $kV AC$ $kV AC$ <t< td=""><td></td><td colspan="2">green LED</td></t<>		green LED		
Time setting:rotary switch and potentiometerTime setting:rotary switch and potentiometerTime deviation: $5 \% - mechanical settingRepeat accuracy:0.2 \% - set value stabilityTemperature coefficient:0.01\% / °C, at = 20 °C (0.1 % / °F, at = 68°F)OutputOutput contact 1:I x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCElectrical life (AC1):S0 000 operationsOutput contact 2 (3):x2 A chang. / DPDT (AgNi)Current rating:x2 A chang. / DPDT (AgNi)Current rating:X2000 VA / AC1, 192 W / DCElectrical life (AC1):$				
Time deviation: $5 % - mechanical settingRepeat accuracy:0.2 \% - set value stabilityTemperature coefficient:0.01\% / ^{\circ}C, at = 20 ^{\circ}C (0.11 \% / ^{\circ}F, at = 68^{\circ}F)OutputOutput contact 1:1x changeov / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCElectrical life (AC1):50 000 - varionsOutput contact 2 (3):x2x chang. / DPDT (AgNi)Current rating:x8 A / AC1Breaking capacity:x200 VA / AC1, 192 W / DCElectrical life (AC1):x200 0VA / AC1, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage:250V AC / 24V DCMax. power dissipation:1.2 W2.4 WOutput indication:multifunction red LEDMechanical life:10 000 0ov - varionsControlVertontol erminals:A1-SLoad between S-A2:YesImpulse length:main. 25 m s / max. unlimitedReset time:max. su max. unlimitedReset time:max. su max. unlimitedOperating temperature:-20 ^{\circ}C to +55 ^{\circ}C (4 ^{\circ}F to 131 ^{\circ}F)Storage temperature:-30 ^{\circ}C to +55 ^{\circ}C (4 ^{\circ}F to 131 ^{\circ}F)Storage temperature:-30 ^{\circ}C to +55 ^{\circ}C (4 ^{\circ}F to 131 ^{\circ}F)Storage temperature:-30 ^{\circ}C to +55 ^{\circ}C (4 ^{\circ}F to 131 ^{\circ}F)Storage temperature:-30 ^{\circ}C to +55 ^{\circ}C (4 ^{\circ}F to 131 ^{\circ}F)$	Time ranges:	0.1 s - 100 h		
Repeat accuracy: $0.2 \ \% - set value stabilityTemperature coefficient:0.01\% / ^{\circ}C, at = 20 \ ^{\circ}C (0.01 \ \% / ^{\circ}F, at = 68^{\circ}F)OutputIx \ changeover / SPDT (AgNi)Current rating:Ix \ changeover / SPDT (AgNi)Breaking capacity:4000 \ VA / AC1, 384 \ W / DCElectrical life (AC1):50000 \ overationsOutput contact 2 (3):x2x \ chang. / DPDT (AgNi)Current rating:x8 \ A / AC1Breaking capacity:x2000 \ VA / AC1, 192 \ W / DCElectrical life (AC1):x10000 \ overationsSwitching voltage:250V \ AC / 24V \ DCMax. power dissipation:1.2 \ W2.4 \ WOutput indication:multifunction red LEDMechanical life:10000 \ overationsControlA1-SLoad between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:-20 \ ^{\circ}C \ to +55 \ ^{\circ}C \ (-4 \ ^{\circ}F \ to 131 \ ^{\circ}F)Operating temperature:-30 \ ^{\circ}C \ to +70 \ ^{\circ}C \ ^{\circ}2 \ ^{\circ}F \ to 138 \ ^{\circ}F)Dielectrical strength:x1kV \ ACsupply - output 14kV \ ACsupply - output 2 (3)x1kV \ ACoutput 2 - output 3x1kV \ ACOperating position:avMounting:DIN rail EN 60715Protection degree:IP40 from front parel / IP20 terminalsOvervoltage category:III.$	Time setting:	rotary switch and potentiometer		
Temperature coefficient: $0.01\% / °C$, at =20 °C ($0.01\% / °F$, at = 68°F)OutputOutput contact 1:Ix changeover / SPDT (AgNi)Current rating:Is changeover / SPDT (AgNi)Breaking capacity: $4000 VA / ACI$, 384 W / DCElectrical life (AC1): $50000 \circ$ rationsOutput contact 2 (3):x $2x$ chang. / DPDT (AgNi)Current rating:x $8 A / ACI$ Breaking capacity:x $2000 VA / ACI$, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunction red LEDMechanical life:10 000 000 operationsControlAI-SLoad between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time: $-20 °C$ to $+55 °C (-4 °F to 131 °F)Operating temperature:-20 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:x1kV ACsupply - output 2 (3)x1kV ACoutput 1 - output 2x1kV ACoutput 2- output 3x1kV ACOperating position:anyMounting:DIN rail EN 60715Protection degree:IP40 from front parel / IP20 terminalsOvervoltage category:III.$	Time deviation:	5 % - mechanical setting		
OutputOutput contact 1:1x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCElectrical life (AC1):50 000 operationsOutput contact 2 (3):x2x chang. / DPDT (AgNi)Current rating:x8 A / AC1Breaking capacity:x2000 VA / AC1, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage:250V AC / 24V DCMax. power dissipation:1.2 W2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsControlControlControlOutput indication:min. 25 ms / max. unlimitedReset time:max. 10 msOther informationOther informationOutput 1Adv / C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 14k/ Csupply - output 2 (3)xx1kV ACoutput 2 - output 3xKV ACautput 2 - output 4Protection degree:IP40 from front part / IP20 terminalsOvervoltage category:III.	Repeat accuracy:	0.2 % - set value stability		
Output contact 1:1x changeovr / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCElectrical life (AC1):50 000 overationsOutput contact 2 (3):x2x chang. / DPDT (AgNi)Current rating:x8 A / AC1Breaking capacity:x2000 VA / AC1, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage:250V AC / 24V DCMax. power dissipation:1.2 W2.4 WOutput indication:multifunctorMechanical life:10 000 000 overationsControlControlControlOperating temperature:Al - SImpulse length:min. 25 ms / max. unlimitedReset time:Other informationOther informationOutput 1Alk / AC1Supply - output 2 (3)xx1kV ACoutput 1 - output 2x1kV ACoutput 2 - output 3x1kV ACoutput 2 - output 4PH0 from front part/IP20 terminalsOvervoltage category:IP40 from front part / IP20 terminalsOvervoltage category:III.	Temperature coefficient:			
Current rating: $16 \ A \ AC1$ Breaking capacity: $4000 \ VA \ AC1, 384 \ W \ DC$ Electrical life (AC1): $50 \ 000 \ overations$ Output contact 2 (3):x $2x \ chang. / DPDT (AgNi)$ Current rating:x $8 \ A \ AC1$ Breaking capacity:x $2000 \ VA \ AC1, 192 \ W \ DC$ Electrical life (AC1):x $10 \ 000 \ overations$ Switching voltage: $250V \ AC \ 24V \ DC$ Max. power dissipation: $1.2 \ W$ $2.4 \ W$ Output indication:multifunction red LEDMechanical life: $10 \ 000 \ 000 \ overations$ ControlControl terminals: $A1 \ S$ Load between S-A2:YesImpulse length:min. 25 ms \ max. unlimitedReset time:max. 150 msOther informationOperating temperature: -20° C to $+55^\circ$ C (-4 °F to 131 °F)Storage temperature: -30° C to $+70^\circ$ C \ 22 °F to 158 °F)Dielectrical strength:x1kV ACsupply - output 14kV \ ACoutput 2 (3)x1kV ACoutput 2 - output 3x1kV ACoutput 2 - output 3x1kV ACOperating position: $a \ 1kV \ AC$ output 2 - output 3x1kV \ ACoutput 2 - output 3x1kV \ ACOperating position: $a \ 1kV \ AC$ Output 1 - output 2x1kV \ ACOutput 2 - output 3x1kV \ ACOperating position: $a \ 1kV \ AC$ Overvoltage cate				
Breaking capacity:4000 VA / AC1, 384 W / DCElectrical life (AC1):50 000 → rationsOutput contact 2 (3):x2x chang. / DPDT (AgNi)Current rating:x8 A / AC1Breaking capacity:x2000 VA / AC1, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage:250V AC / 24V DCMax. power dissipation:1.2 W2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsControlControlControl terminals:A1-5Load between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 50 msOther informationOperating temperature:-20° Ct o +55° C (-4° Ft to 131°F)Storage temperature:-20° Ct o +55° C (-4° Ft to 131°F)Storage temperature:-20° Ct o +55° C (-4° Ft to 131°F)Supply - output 14kV ACoutput 1 - output 2 (3)xsupply - output 2 (3)xx1kV ACoutput 2 - output 3xX1kV ACoutput 2 - output 3xMounting:DIN rail EN 60715Protection degree:IP40 from front part / IP20 terminalsOvervoltage category:III.	Output contact 1:	1x changeover / SPDT (AgNi)		
Electrical life (AC1): $50\ 000\ \cup$ rationsOutput contact 2 (3):x $2x\ chang./\ DPDT (AgNi)$ Current rating:x $8\ A/\ AC1$ Breaking capacity:x $2000\ VA/\ AC1,\ 192\ W/\ DC$ Electrical life (AC1):x $10\ 000\ operations$ Switching voltage: $250V\ AC/\ 24V\ DC$ Max. power dissipation: $1.2\ W$ $2.4\ W$ Output indication:multifunction:red LEDMechanical life: $10\ 000\ 000\ \cup$ erationsControl10000\ 000\ ∪erationsControl terminals:A1-5Load between S-A2:YesImpulse length:min. 25 ms / ms. unlimitedReset time:max. Jow SOther information-20\ °C\ to +55\ °C\ (-4\ °F\ to\ 131\ °F)Storage temperature:-20\ °C\ to\ +55\ °C\ (-4\ °F\ to\ 131\ °F)Storage temperature:-30\ °C\ to\ +70\ °C\ (-22\ °F\ to\ 158\ °F)Dielectrical strength:supply-output 1supply-output 2 (3)x1kV ACoutput 2 - output 3x1kV ACoutput 2 - output 3x1kV ACOperating position:aIkV ACOperating position:DIN rail EN 60715Protection degree:IP40 from front parel / IP20 terminalsOvervoltage category:III.	Current rating:	16 A / AC1		
Output contact 2 (3):x2x chang. / DPDT (AgNi)Current rating:x8 A / AC1Breaking capacity:x2000 VA / AC1, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunction red LEDMechanical life: $10 000 000 \circ$ perationsControlControl control terminals:A1-5Load between S-A2:Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOther informationOperating temperature: $-20 \ C$ to $+55 \ C$ (-4 $\ F$ to $131 \ F$)Storage temperature: $-30 \ C$ to $+70 \ C$ (-22 $\ F$ to $158 \ F$)Dilelectrical strength:supply - output 1supply - output 2 (3)x1kV ACoutput 1 - output 2x1kV ACoutput 2 - output 3x1kV ACOperating position: any Mounting:DIN rail EN 60715Protection degree:IP40 from front parel / IP20 terminalsOvervoltage category:III.	Breaking capacity:	4000 VA / AC1, 384 W / DC		
Current rating:x8 A / AC1Breaking capacity:x2000 VA / AC1, 192 W / DCElectrical life (AC1):x10 000 operationsSwitching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunction red LEDMechanical life: $10 000 000 operations$ ControlControlControl terminals: $A1-S$ Load between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature: $-20 °C$ to $+55 °C (-4 °F$ to $131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1supply - output 14kV ACoutput 1 - output 2x1kV ACoutput 2 - output 3x1kV ACOperating position:amyMounting:DIN rail EN 60715Protection degree:IP40 from front pamet / IP20 terminalsOvervoltage category:III.$	Electrical life (AC1):	50 000 operations		
Breaking capacity:x $2000 VA / AC1, 192 W / DC$ Electrical life (AC1):x10 000 operationsSwitching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunctor red LEDMechanical life: $10 000 000 \cup$ perationsControlControlControl terminals: $A1-S$ Load between S-A2:Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature: $-20 °C$ to $+55 °C (-4 °F$ to $131 °F)$ Storage temperature: $-30 °C$ to $+70 °C (-22 °F$ to $158 °F)$ Dielectrical strength:supply - output 1supply - output 2 (3)x1kV ACoutput 1 - output 2x1kV ACoutput 2 - output 3x1kV ACOperating position: $amrtical X = 1000 C T T T T T T T T T T T T T T T T T $	Output contact 2 (3):	x	2x chang. / DPDT (AgNi)	
Electrical life (AC1):x10 000 operationsSwitching voltage: $250V AC / 24V DC$ Max. power dissipation: $1.2 W$ $2.4 W$ Output indication:multifunction red LEDMechanical life: $10 000 000$ operationsControlControlControl control terminals:A1-SLoad between S-A2:YesImpulse length:max. unlimitedReset time:Other informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1Atk ACoutput 2 (3)xIkV ACoutput 2 (3)xIkV ACoutput 1 output 2xIkV ACoutput 2 - output 3xIN rail EN 60715Protection degree:IP40 from from tparel / IP20 terminalsOvervoltage category:III.	Current rating:	х	8 A / AC1	
Switching voltage: $250V \text{ AC} / 24V \text{ DC}$ Max. power dissipation: 1.2 W 2.4 W Output indication:multifunction red LEDMechanical life: $10\ 000\ 000\ 0$ perationsControlControlControl control terminals:A1-SLoad between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:Other informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 14kV ACoutput 2 (3)x1kV ACoutput 2 (3)x1kV ACoutput 1 output 2x1kV ACOperating position:anyNounting:DIN rail EN 60715Protection degree:IP40 from from tpanel / IP20 terminalsOvervoltage category:III.	Breaking capacity:	x	2000 VA / AC1, 192 W / DC	
Max, power dissipation:1.2 W2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsControlControlControl terminals:A1-SLoad between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1supply - output 1 $4kV AC$ output 1 - output 2 (3)x1kV ACoutput 1 - output 3x1kV ACOperating position:anyMounting:DIN rail EN 60715Protection degree:IP40 from front panel / IP20 terminalsOvervoltage category:III.	Electrical life (AC1):	х	10 000 operations	
Name perce dampeterIn the number of the term of the termOutput indication:multifunction red LEDMechanical life:10 000 000 operationsControlControl terminals:A1-SLoad between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1supply - output 14kV ACsupply - output 2 (3)x1kV ACoutput 1 - output 2x1kV ACoutput 2 - output 3x1kV ACOperating position:anyMounting:DIN rail EN 60715Protection degree:IP40 from front panel / IP20 terminalsOvervoltage category:III.	Switching voltage:	250V AC	/ 24V DC	
Mechanical life:10 000 000 perationsControl $I = 00000000000000000000000000000000000$	Max. power dissipation:	1.2 W	2.4 W	
ControlControl terminals: $A1-S$ Load between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature: $-20 \ ^{\circ}C \ to +55 \ ^{\circ}C \ (-4 \ ^{\circ}F \ to 131 \ ^{\circ}F)$ Storage temperature: $-30 \ ^{\circ}C \ to +70 \ ^{\circ}C \ (-22 \ ^{\circ}F \ to 158 \ ^{\circ}F)$ Dielectrical strength:supply - output 1supply - output 1 $4kV \ AC$ output 1 - output 2x1kV ACoutput 2 - output 3x1kV ACOperating position: amy Mounting:DIN rail EN 60715Protection degree:IP40 from front $pamet / IP20$ terminalsOvervoltage category:III.	Output indication:	multifunction red LED		
Control terminals:A1-SLoad between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature: $-20 ^{\circ}$ C to $+55 ^{\circ}$ C (-4 $^{\circ}$ F to 131 $^{\circ}$ F)Storage temperature: $-30 ^{\circ}$ C to $+70 ^{\circ}$ C ($-22 ^{\circ}$ F to 158 $^{\circ}$ F)Dielectrical strength: $4kV ^{\circ}XC$ supply - output 1 $4kV ^{\circ}XC$ output 1 - output 2x $1kV ^{\circ}AC$ output 2 - output 3x $1kV ^{\circ}AC$ Operating position: any Mounting:DIN rail $EN ^{\circ}O715$ Protection degree:IP40 from front $panet / IP20$ terminalsOvervoltage category:III.	Mechanical life:	10 000 000	operations	
Load between S-A2:YesImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ (-4 $^{\circ}F$ to 131 $^{\circ}F$)Storage temperature: $-30 ^{\circ}C$ to $+70 ^{\circ}C$ (-2 $^{\circ}F$ to 158 $^{\circ}F$)Dielectrical strength: $4kV \times C$ supply - output 1 $4kV \times C$ supply - output 2 (3)xoutput 1 - output 2xoutput 2 - output 3xQperating position: ay Mounting:DIN rail EN 60715Protection degree:IP40 from front part / IP20 terminalsOvervoltage category:III.	Control			
Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information $-20 ^{\circ}C$ to $+55 ^{\circ}C$ (-4 $^{\circ}F$ to 131 $^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+70 ^{\circ}C$ ($-22 ^{\circ}F$ to 158 $^{\circ}F$)Dielectrical strength: $-30 ^{\circ}C$ to $+70 ^{\circ}C$ ($-22 ^{\circ}F$ to 158 $^{\circ}F$)Supply - output 1 $4kV ^{\wedge}C$ supply - output 2 (3)xoutput 1 - output 2xoutput 2 - output 3xOperating position: any Mounting:DIN rail EN 60715Protection degree:IP40 from front $panel / IP20$ terminalsOvervoltage category:III.	Control terminals:	A1-S		
Reset time:max. 150 msOther informationOperating temperature: $-20 °C to +55 °C (-4 °F to 131 °F)$ Storage temperature: $-20 °C to +70 °C (-22 °F to 158 °F)$ Dielectrical strength: $-30 °C to +70 °C (-22 °F to 158 °F)$ Supply - output 1 $4kV AC$ supply - output 2 (3)x $1kV AC$ output 1 - output 2x $1kV AC$ output 2 - output 3x $1kV AC$ Operating position: $antropolicity = 0$ Mounting:DIN rail EN 60715Protection degree:IP40 from front part / IP20 terminalsOvervoltage category:III.	Load between S-A2:	Yes		
Other informationOperating temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ (-4 $^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-30 ^{\circ}C$ to $+70 ^{\circ}C$ (-22 $^{\circ}F$ to $158 ^{\circ}F$)Dielectrical strength:supply - output 1supply - output 1 $4kV ^{\circ}AC$ output 2 (3)x $1kV ^{\circ}AC$ output 1 - output 2x $1kV ^{\circ}AC$ output 2 - output 3x $1kV ^{\circ}AC$ Operating position:anyMounting:DIN rail EN 60715Protection degree:IP40 from front panel / IP20 terminalsOvervoltage category:III.	Impulse length:	min. 25 ms / max. unlimited		
Operating temperature: $-20 \ ^{\circ}C \text{ to } +55 \ ^{\circ}C (-4 \ ^{\circ}F \text{ to } 131 \ ^{\circ}F)$ Storage temperature: $-30 \ ^{\circ}C \text{ to } +70 \ ^{\circ}C (-22 \ ^{\circ}F \text{ to } 158 \ ^{\circ}F)$ Dielectrical strength: $supply \ ^{\circ}C \$	Reset time:	max. 150 ms		
Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength: $4kV AC$ supply - output 1 $4kV AC$ supply - output 2 (3)xoutput 1 - output 2xoutput 2 - output 3xNounting: $DIN rail EN 60715$ Protection degree:IP40 from front panel / IP20 terminalsOvervoltage category:III.	Other information			
Dielectrical strength: supply - output 1 supply - output 2 (3) x 1kV AC output 1 - output 2 x output 2 - output 3 x X 1kV AC output 2 - output 3 x Veraiting position: any Mounting: DIN rail EN 60715 Protection degree: IP40 from front panel / IP20 terminals Overvoltage category: III.	Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)		
supply - output 14kV ACsupply - output 2 (3)x1kV ACoutput 1 - output 2x1kV ACoutput 2 - output 3x1kV ACOperating position:A1kV ACOperating position:DIN rail EN 60715Protection degree:IP40 from front panel / IP20 terminalsOvervoltage category:III.	Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)		
supply output 2 (3) x 1kV AC output 1 - output 2 x 1kV AC output 2 - output 3 x 1kV AC Operating position: IkV AC Operating position: IkV AC Protection degree: IP40 from front part / IP20 terminals Overvoltage category: III.	Dielectrical strength:			
output 1 - output 2 x 1kV AC output 2 - output 3 x 1kV AC Operating position: any Mounting: DIN rail EN 60715 Protection degree: IP40 from front panel / IP20 terminals Overvoltage category: III.	supply - output 1	4kV AC		
output 2 - output 3 x 1kV AC Operating position: Image: Compare the second seco	supply - output 2 (3)	х	1kV AC	
Operating position: any Mounting: DIN rail EN 60715 Protection degree: IP40 from front panel / IP20 terminals Overvoltage category: III.	output 1 - output 2	х	1kV AC	
Mounting: DIN rail EN 60715 Protection degree: IP40 from front panel / IP20 terminals Overvoltage category: III.	output 2 - output 3	х	1kV AC	
Protection degree: IP40 from front panel / IP20 terminals Overvoltage category: III.	Operating position:	any		
Overvoltage category: III.	Mounting:	DIN rail EN 60715		
	Protection degree:	IP40 from front panel / IP20 terminals		
Pollution degree:	Overvoltage category:	III.		
	Pollution degree:	2		
Max. cable size (mm ²): solid wire max. 1x 2.5 or 2x 1.5 /	Max. cable size (mm ²):	solid wire max. 1x 2.5 or 2x 1.5 /		
with sleeve max. 1x 2.5 (AWG 12)		with sleeve max. 1x 2.5 (AWG 12)		
Dimensions: 90 x 17.6 x 64 mm (3.5 x 0.7 x 2.5 inch)	Dimensions:	90 x 17.6 x 64 mm (3.5 x 0.7 x 2.5 inch)		
Weight: 61 g (2.2 oz) 84 g (3 oz)	Weight:	61 g (2.2 oz)	84 g (3 oz)	

- Single-function time relays are suitable for applications where there is a clear function requirement in advance and are suitable for universal use in automation, control and regulation or in house installations.
- Choice of four types: ZR, ZN, BL, OD
- All functions initiated by the supply voltage can use the control input to inhibit the ongoing delay (pause).
- Universal supply voltage AC/DC 12 240 V.
- Time scale 0.1 s 100 hrs divided into 10 ranges: (0.1 s - 1 s / 1 s - 10 s / 3 s - 30 s / 6 s - 60 s / 1 min - 10 min / 3 min - 30 min / 6 min - 60 min / 1 h - 10 hrs / 3 hrs - 30 hrs / 10 hrs - 100 hrs).
- Output contact: CRM-181J: 1x changeover / SPDT 16 A CRM-183J: 1x changeover / SPDT 16 A, 2x changeover / DPDT 8 A
- Multifunction red LED flashes or shines depending on the operating status.

Description



CRM-183J

Un C

A1 S A2

7

35 36 38

7

25 26 28

2

15 16 18

Connection



CRM-183J: The poten between t

The potential difference between the supply terminals (A1-A2), output contact 2 (25-26-28) and output contact 3 (35-36-38) must be a maximum of 250V AC rms / DC.

Possibility to connect load onto controlling input

It is possible to connect the load (e.g.: contactor) between terminals S-A2, without any interruption of correct relay function.



Indication of operating states



ON, timing ON pause OFF Un t1 t2 LED 中 T=t1+t2

Function

ZR: ON DELAY



When the supply voltage is applied, the time delay T begins. When the timing is complete, the relay closes and this condition continues until the supply voltage is disconnected.

ON DELAY with Inhibit



If the control contact is closed and the supply voltage is connected, the relay is opened and timing does not start until the control contact opens. When the timing is complete, the relay closes. If the control contact is closed during timing, the timing is interrupted and continues only after the control contact opens.

ZN: INTERVAL ON



After supply voltage relay closes and starts the delay time T. After the end of the timing relay opens and this state lasts until the supply voltage is disconnected.

INTERVAL ON with Inhibit



If the control contact is closed and the supply voltage is connected, the relay will close and the timing will start only after the control contact has been opened.

When the timing is complete, the relay opens. If the control contact is closed during timing, the timing is interrupted and continues only after the control contact opens.

BL: FLASHER - ON first



If the control contact is closed and the supply voltage is connected, the relay will close and

the timing will start only after the control contact has been opened. When the timing is complete, the relay opens.

FLASHER - ON first with Inhibit



If the control contact is closed during an active timer setting, the timing is interrupted and continues only after the control contact opens again.

OD: OFF DELAY



When the supply voltage is applied, the relay is open. When the control contact is closed, the relay closes. When the control contact opens, the time delay T begins. If the control contact is closed during timing, the time is reset and the relay remains closed. When the control contact opens, the time delay T starts again and opens when the relay closes.

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