Multi-Mode Relay Timers MK Series

Overview

The MK series relay timers are timing relays designed for process control, machine tool control, safety control and many other types of applications. The timers are DIN-rail mountable with up to 8 functions in one unit.

Fleeting/single shot on make:

The relay switches on immediately when energized and switches off after the time delay, or when deenergized.

Fleeting/single shot on break:

When energizing nothing happens. When deenergized, the relay switches on for the adjusted time and switches off after the time is elapsed.

Features

- Eight time ranges from 0.02 sec to 300hr selectable via rotational switches
- Voltage range 12– 240 VAC/VDC
- Eight functions can be set via rotational switch:
- Delay on energization (AV)
- Fleeting on make (EW)
- Delayed pulse (IE)
- Flasher, start with pulse (BI)
- Delay on de-energization (RV)
- Pulse forming function (IF)
- Fleeting on break (AW)
- Delay on energization and de-energization (AV / RV)



MK7850N-82-200-61

Multi-Mode Relay Timers MK Series							
Part Number	Price	Timer Type	Timing Range	Voltage	Output Type	Drawing Link	
<u>MK7850N-82-200-61</u>	\$64.00	Multi-mode	0.02 seconds to 300 hours selectable	12-240 VAC/VDC	2 changeover contacts, one programmable as instantaneous	<u>PDF</u>	

Multi-Mode	Relay Timers Specifications	Multi-Mo	ode Relay Timers Specifications	
Input Specifications		General Specification	s	
Nominal Voltage	12–240 VAC/VDC 12VAC ~ 1.5 VA 24VAC ~ 2VA 240VAC ~ 3VA	Connection (screw terminal)	1 x 4mm ² / 12AWG solid or 1 x 2.5 mm ² / 14 AWG stranded ferruled or 2 x 1.5 mm ² / 16 AWG stranded ferruled or 2 x 2.5 mm ² / 14 AWG solid	
Nominal Consumption	12VDC ~ 1W 24VDC ~ 1W 240VDC ~ 1W	Tightening Torque	0.8 N·m	
Nominal Frequency	45 – 400 Hz	Ambient Temperature	-40 to +60°C [-40 to +140°F]	
Contact Specifications		Storage	-40 to +70°C	
Туре	2 changeover contacts, one programmable as instantaneous	Temperature Relative Air	[-40 to +158°F] 93% at 40°C	
Contact Material	AgNi	Humidity		
Measured Nominal	250VAC	Protection Rating	Housing IP40 / Terminals IP20	
Voltage Switching Capacity	N.O. Contact 3A / 230VAC	Vibration Resistance	Amplitude 0.35 mm frequency 10 – 55Hz	
(according to AC 15)	N.C. Contact 1A / 230VAC	Mounting	35mm Din-rail	
Electrical Lifetime	1.5 x 10 ⁵ switching cycle (to AC 15 at 1A, 230VAC)	Relay Indicator	Green LED: On, when supply connected Yellow LED "R/t": Shows status of output relay and time dela -Continuously off: Output relay not active; no time delay	
Switching Frequency	36,000 switching cycle / hr			
Max Fuse Rating	4A		-Continuously on: Output relay active no time delay -Flashing (short on, long off) output relay not active, time delay	
Mechanical Lifetime	\geq 30 x 10 ⁶ switching cycles		-Flashing (long on, short off) output relay active, time delay	
Time Circuit Specifications		Weight (g [oz])	150.0 [5.29]	
Time Ranges	8 time ranges in one unit, selectable via rotational switch 0.02 ~ 1 sec, 0.06 ~ 6 sec, 0.3 ~ 30 sec 0.03 ~ 3 min, 0.3 ~ 30 min, 3 ~ 300 min 0.3 ~ 30 hr. 3 ~ 300 hr	Agency Approvals and Standards *	cULus, CE	
Time Setting	t1 - continuous, 1:100 on relative scale	UL Data		
Time Setting	24VDC 15ms	Switching Capacity	Ambient temperature 60°C: Pilot duty B300 5A 250VAC G.P.	
Recovery Time	240VDC 50ms 230VAC 80ms	UL Specified Wire Connection	60°C / 75°C copper conductors only Screw terminals fixed: AWG 20 – 12 solid or stranded	
Repeat Accuracy	± 0.5% of selected end of scale value +20ms	whe connection	Torque 0.8 Nm	
Voltage and Temperature Influence	≤ 1% with the complete operating range		rrrent agency approval information, see the Agency ations Checklist section on the specific part number's web	

Cyclic Relay Timers MK Series

Features

- 8 time ranges from 0.05 sec to 300hr selectable via rotational switches
- Impulse and break time separately adjustable
- Selectable start with impulse or break
- Voltage range 12–240 VAC/VDC
- Adjustment aid for quick setting of long time values
- Suitable for 2-wire proximity sensor control
- LED indicators for operation, contact position, and time delay
- 2 changeover contacts



Cyclic Relay Timers MK Series							
Part Number Price Timer Type Timing Range Voltage Output Type Drawing Link							
<u>MK7854N-82-61</u>	\$80.00	Cyclic	0.05 seconds to 300 hours selectable	12-240 VAC/VDC	2 changeover contacts	<u>PDF</u>	

Cyclic Relay Timers Specifications

Cyone ne	ay milers opecifications
Input Specifications	
Nominal Voltage	12–240 VAC/VDC
Nominal Consumption	12VAC ~ 1.5 VA 24VAC ~ 2VA 240VAC ~ 3VA 12VDC ~ 1W 24VDC ~ 1W 240VDC ~ 1W
Contact Specifications	
Туре	2 changeover contacts
Contact Material	AgNi
Measured Nominal Voltage	250VAC
Switching Capacity (according to AC 15)	N.O. Contact 3A / 230VAC N.C. Contact 1A / 230VAC
Electrical Lifetime	$1.5 \ x \ 10^{\scriptscriptstyle 5}$ switching cycle (to AC 15 at 1A, 230VAC)
Switching Frequency	36,000 switching cycle / hr
Max Fuse Rating	4A
Mechanical Lifetime	\geq 30 x 10 ⁶ switching cycles
Time Circuit Specifications	
Time Ranges	8 time ranges in one unit, selectable via rotational switch 0.05 ~ 1 sec, 0.06 ~ 6 sec, 0.3 ~ 30 sec 0.03 ~ 3 min, 0.3 ~ 30 min, 3 ~ 300 min 0.3 ~ 30 hr, 3 ~ 300 hr
Time Setting	t1, t2 - continuous, 1:100 on relative scale
Recovery Time	24VDC 15ms 240VDC 50ms 230VAC 80ms
Repeat Accuracy	\pm 0.5% of selected end of scale value
Voltage and Temperature Influence	≤ 1% with the complete operating range

Cyclic Rela	ay Timers Specifications
General Specifications	
Connection (screw terminal)	1 x 4mm ² / 12AWG solid or 1 x 2.5 mm ² / 14 AWG stranded ferruled or 2 x 1.5 mm ² / 16 AWG stranded ferruled or 2 x 2.5 mm ² / 14 AWG solid
Tightening Torque	0.8 N·m
Ambient Temperature	-40 to +60°C [-40 to +140°F]
Storage Temperature	-40 to +70°C [-40 to +158°F]
Relative Air Humidity	93% at 40°C
Protection Rating	Housing IP40 / Terminals IP20
Vibration Resistance	Amplitude 0.35 mm frequency 10 – 55Hz
Mounting	35mm Din-rail
Relay Indicator	Green LED: On, when voltage connected Yellow LED "R/t": Shows status of output relay and time delay: -Flashing (short on, long off) : Output relay not active; time delay t2 (break time) -Flashing (long on, short off) output relay active; time delay t1 (pulse time)
Weight (g [oz])	150.0 [5.29]
Agency Approvals and Standards *	cULus, CE
UL Data	
Switching Capacity	Ambient temperature 60°C: Pilot duty B300 5A 250VAC G.P.
UL Specified Wire Connection	60°C / 75°C copper conductors only Screw terminals fixed: AWG 20 – 12 solid or stranded Torque 0.8 Nm

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Dold Relay Timers

Off-Delay Relay Timers MK Series

Features

- 8 time ranges from 0.05 sec to 300 hr selectable via rotational switch
- Voltage range 12–240 VAC/VDC for auxiliary supply and control input
- Adjustment aid for quick setting of long time values
- Input for interruption of timing
- LED indicators for operation, contact position and time delay
- 2 changeover contacts



<u>MK9962N-82-61</u>

Off-Delay Relay Timers MK Series								
Part Number	Part Number Price Timer Type Timing Range Voltage Output Type Drawing Link							
<u>MK9962N-82-61</u>	\$74.00	Off-delay	0.05 seconds to 300 hours selectable	12-240 VAC/VDC	2 changeover contacts	<u>PDF</u>		

Off-Delay Relay Timers Specifications						
Input Specifications						
Nominal Voltage	12–240 VAC/VDC					
Nominal Consumption	12VAC ~ 1.5 VA 24VAC ~ 2VA 240VAC ~ 3VA 12VDC ~ 1W 24VDC ~ 1W 240VDC ~ 1W					
Contact Specifications						
Туре	2 changeover contacts					
Contact Material	AgNi					
Measured Nominal Voltage	250VAC					
Switching Capacity (according to AC 15)	N.O. Contact 3A / 230VAC N.C. Contact 1A / 230VAC					
Electrical Lifetime	$1.5 \ x \ 10^{5}$ switching cycle (to AC 15 at 1A, 230VAC)					
Switching Frequency	6,000 switching cycle / hr					
Max Fuse Rating	4A					
Mechanical Lifetime	\geq 30 x 10 ⁶ switching cycles					
Time Circuit Specifications	3					
Time Ranges	8 time ranges in one unit, selectable via rotational switch 0.05 ~ 1 sec, 0.06 ~ 6 sec, 0.3 ~ 30 sec 0.03 ~ 3 min, 0.3 ~ 30 min, 3 ~ 300 min 0.3 ~ 30 hr, 3 ~ 300 hr					
Time Setting	Continuous, 1:100 on relative scale					
Minimum on Time	AC 50 Hz - 15ms DC - 5 ms					
Repeat Accuracy	\pm 0.5% of selected end of scale value + 20ms					
Voltage and Temperature Influence	\leq 1% with the complete operating range					

Off-Delay	y Relay Timers Specifications
General Specifications	
Connection (cage clamp terminal)	1 x 4mm ² / 12AWG solid or 1 x 2.5 mm ² / 14 AWG stranded ferruled or 2 x 1.5 mm ² / 16 AWG stranded ferruled or 2 x 2.5 mm ² / 14 AWG solid
Tightening Torque	0.8 N·m
Ambient Temperature	-40 to +60°C [-40 to +140°F]
Storage Temperature	-40 to +70°C [-40 to +158°F]
Relative Air Humidity	93% at 40°C
Protection Rating	Housing IP40 / Terminals IP20
Vibration Resistance	Amplitude 0.35 mm frequency 10 – 55Hz
Mounting	35mm Din-rail
Relay Indicator	Green LED: on when auxiliary voltage connected Yellow LED "R/t": shows status of output relay and time delay: - LED off output relay not active; no time delay - LED continuously on output relay active;no time delay (B1 input active) - LED flashing output relay active; long on, short off - time delay
Weight (g [oz])	150.0 [5.29]
Agency Approvals and Standards *	cULus, CE
UL Data	
Switching Capacity	Ambient temperature 60°C: Pilot duty B300 5A 250VAC G.P.
UL Specified Wire Connection	60°C / 75°C copper conductors only Screw terminals fixed: AWG 20 – 12 solid or stranded Torque 0.8 Nm

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

On-Delay Relay Timers MK Series

Features

- 8 time ranges from 0.05 sec to 300 hr selectable via rotational switch
- Voltage range 12-240 VAC/VDC for auxiliary supply and control input
- Adjustment aid for quick setting of long time values
- Input for interruption of timing
- LED indicators for operation, contact position, and time delay
- 2 changeover contacts



MK9906N-82-61

On-Delay Relay Timers MK Series								
Part Number	Part Number Price Timer Type Timing Range Voltage Output Type Drawing Lin							
<u>MK9906N-82-61</u>	\$60.00	On-delay	0.05 seconds to 300 hours selectable	12-240 VAC/VDC	2 changeover contacts one programmable as instantaneous	<u>PDF</u>		

On-Delay Re	lay Timers Specifications						
Input Specifications							
Nominal Voltage	12–240 VAC/VDC						
Nominal Consumption	12VAC ~ 1.5 VA 24VAC ~ 2VA 240VAC ~ 3VA 12VDC ~ 1W 24VDC ~ 1W 240VDC ~ 1W						
Contact Specifications							
Туре	2 changeover contacts one programmable as instantaneous						
Contact Material	AgNi						
Measured Nominal Voltage	250VAC						
Switching Capacity (according to AC 15)	N.O. Contact 3A / 230VAC N.C. Contact 1A / 230VAC						
Electrical Lifetime	$1.5 \ x \ 10^{\scriptscriptstyle 5}$ switching cycle (to AC 15 at 1A, 230VAC)						
Switching Frequency	36,000 switching cycle / hr						
Max Fuse Rating	4A						
Mechanical Lifetime	\geq 30 x 10 ⁶ switching cycles						
Time Circuit Specifications							
Time Ranges	8 time ranges in one unit, selectable via rotational switch 0.05 ~ 1 sec, 0.06 ~ 6 sec, 0.3 ~ 30 sec 0.03 ~ 3 min, 0.3 ~ 30 min, 3 ~ 300 min 0.3 ~ 30 hr, 3 ~ 300 hr						
Time Setting	Continuous, 1:100 on relative scale						
Recovery Time	24VDC 15ms 240VDC 50ms 230VAC 80ms						
Repeat Accuracy	± 0.5% of selected end of scale value + 20ms						
Voltage and Temperature Influence	\leq 1% with the complete operating range						

On-Delay Relay Timers Specifications					
General Specifications					
Connection (cage clamp terminal)	1 x 4mm ² / 12AWG solid or 1 x 2.5 mm ² / 14 AWG stranded ferruled or 2 x 1.5 mm ² / 16 AWG stranded ferruled or 2 x 2.5 mm ² / 14 AWG solid				
Tightening Torque	0.8 N·m				
Ambient Temperature	-4 to +60°C [-40 to +140°F]				
Storage Temperature	-40 to +70°C [-40 to +158°F]				
Relative Air Humidity	93% at 40°C				
Protection Rating	Housing IP40 / Terminals IP20				
Vibration Resistance	Amplitude 0.35mm frequency 10 – 55Hz				
Mounting	35mm Din-rail				
Relay Indicator	Green LED: On, when voltage connected Yellow LED "R/t": Shows status of output relay and time delay: - Flashing (long on, short off) output relay not active; time delay - Continuously on: output relay active after time delay				
Weight (g [oz])	150.0 [5.29]				
Agency Approvals and Standards *	cULus, CE				
UL Data					
Switching Capacity	Ambient temperature 60°C: Pilot duty B300 5A 250VAC G.P.				
UL Specified Wire Connection	60°C / 75°C copper conductors only Screw terminals fixed: AWG 20 – 12 solid or stranded Torque 0.8 Nm				

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Off-Delay Relay Timers MK Series

Features

- Release delay, without control signal
- No voltage safe
- Delay up to 3, 30 or 300 sec
- Repeat accuracy $\leq \pm 0.5 \%$
- No recovery time
- Voltage range 24–240 VAC/VDC
- LED display for power supply
- 2 changeover contacts



<u>MK7873N-82-61-3S</u>

Off-Delay Relay Timers MK Series							
Part Number	Price	Timer Type	Timing Range	Voltage	Output Type	Drawing Links	
<u>MK7873N-82-61-3S</u>	\$96.00	Off-delay	0.15 to 3 seconds	24-240 VAC/VDC	2 changeover contacts	<u>PDF</u>	
<u>MK7873N-82-61-30S</u>	\$96.00	Off-delay	1.5 to 30 seconds	24-240 VAC/VDC	2 changeover contacts	<u>PDF</u>	
<u>MK7873N-82-61-300S</u>	\$96.00	Off-delay	15 to 300 seconds	24-240 VAC/VDC	2 changeover contacts	<u>PDF</u>	

Off-Delay Relay Timers Specifications					
Input Specifications					
Nominal Voltage	24–240 VAC/VDC				
Operating Voltage Range	24–240 VAC/VDC 19.2–264 VAC 21.6–300 VDC				
Nominal Consumption	0.8W				
Nominal Frequency	45 – 400 Hz				
Contact Specifications					
Туре	2 changeover contacts				
Contact Material	$AgSnO_2$ +0.2 μ m AU				
Measured Nominal Voltage	250VAC				
Switching Capacity (according to AC 15)	N.O. Contact 3A / 230VAC N.C. Contact 1A / 230VAC				
Electrical Lifetime	8 x 10 ⁵ switching cycles				
Switching Frequency	time ranges \leq 10 sec - 1400 switching cycles per hr time ranges \geq 30 sec - 700 switching cycles per hr				
Max Fuse Rating	6A				
Mechanical Lifetime	30 x 10 ⁶ switching cycles				
Time Circuit Specifications					
Time Ranges	MK7873N-82-61-3S = 0.15 - 3 sec MK7873N-82-61-30S = 1.5 - 30 sec MK7873N-82-61-300S = 15 - 300 sec				
Time Setting	Stepless				
Minimum Switch-on Time	24VDC 150ms 200VAC 25ms				
Recovery Time	0				
Repeat Accuracy	\leq 0.5% of set value				
Voltage Influence	≤ 0.5 %				
Temperature Influence	< 0.2% / K				

Off-Delay Relay Timers Specifications

General Specifications					
Connection (Integrated Screw terminals)	1 x 4mm ² / 12AWG solid or 1 x 2.5 mm ² / 14 AWG stranded ferruled or 2 x 1.5 mm ² / 16 AWG stranded ferruled or 2 x 2.5 mm ² / 14 AWG solid				
Tightening Torque	0.8 N·m				
Ambient Temperature	-20 to +60°C [-4 to +140°F]				
Storage Temperature	-25 to +60°C [-13 to +140°F]				
Relative Air Humidity	93% at 40°C				
Protection Rating	Housing IP40 / Terminals IP20				
Vibration Resistance	Amplitude 0.35 mm frequency 10 – 55Hz				
Mounting	35mm Din-rail				
Relay Indicator	LED: on, when supply connected				
Weight (g [oz])	132.0 [4.65]				
Agency Approvals and Standards *	cULus, CE				
UL Data					
Switching Capacity	Ambient temperature 60°C: Pilot duty B300 5A 250VAC G.P. 5A 24VDC G.P.				
UL Specified Wire Connection	60°C / 75°C copper conductors only Screw terminals fixed: AWG 20 – 12 solid or stranded Torque 0.8 Nm				

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Relay Timers RK Series

Overview

The RK series timers are timing relays that have been designed to be economical and compact to meet the demands of all the modern time control needs. With a few variants of single function and a multi-function model, the RK series covers all common timing functions, time ranges and voltage needs. These timers are suitable for time-dependent control needs in most industrial automation and building automation systems.

Features

RK7814

- 4 time ranges up to 120 sec
- LED indicator for state of contact
- Dual-voltage version 110 127VAC + 24 VAC/VDC
- 1 changeover contact

RK7815, RK7816

- Time ranges up to 10 sec
- LED indicator for state of contact
- 1 changeover contact
- Dual voltage version 110 127 VAC + 24 VAC/VDC

RK7817

- 8 time ranges adjustable from 0.02 sec to 300 hr via rotational switches
- Dual-voltage-version 110 127VAC + 24 VAC/VDC
- 1 changeover contact
- 8 selectable functions via rotational switches
- Delay on energization (AV)
- Fleeting on make (EW)
- Delayed pulse (IE)
- Flasher, start with pulse (BI)
- Delay on de-energization (RV)
- Pulse forming function (IF)
- Fleeting on break (AW)
- Delay on energization and de-energization (AV / RV)





RK7815-71-61







RK7817-81-61

On-Delay Relay Timer RK Series						
Part Number	Price	Timer Type	Type Timing Range Voltage Output Type		Output Type	Drawing Link
<u>RK7814-81-61</u>	\$36.50	On-delay	0.05 to 120 seconds selectable	24 VAC/VDC and 110-127 VAC	1 changeover contact	<u>PDF</u>

Fleeting (single shot) Relay Timer RK Series						
Part Number	Price	Timer Type	Timing Range	Voltage	Output Type	Drawing Link
<u>RK7815-71-61</u>	\$34.00	Fleeting (single-shot)	1 to 10 seconds	24 VAC/VDC and 110-127 VAC	1 changeover contact	<u>PDF</u>

Flasher Relay Timer RK Series						
Part Number	Price	Timer Type Timing Range Voltage Ou		Output Type	Drawing Link	
<u>RK7816-81-61</u>	\$34.00	Flasher	1 to 10 seconds	24 VAC/VDC and 110-127 VAC	1 changeover contact	<u>PDF</u>

Multi-Mode Relay Timer RK Series						
Part Number	Price	Timer Type Timing Range		Voltage	Output Type	Drawing Link
<u>RK7817-81-61</u>	\$43.50	Multi-mode	0.02 seconds to 300 hours selectable	24 VAC/VDC and 110-127 VAC	1 changeover contact	PDF

	Relay Timers RK Series Specifications					
Part Number	<u>RK7814-81-61</u>	RK7815-71-61	<u>RK7816-81-61</u>	<u>RK7817-81-61</u>		
Input Specifications						
Nominal Voltage	24 VAC/VDC ¹ + 110-127 VAC ²			24 VAC/VDC 1 + 110-127 VAC 2		
Nominal Consumption	24VAC ~ 1VA 230VAC ~ 6VA 24VDC ~ 0.4 W			24VAC ~ 1VA 230VAC ~ 7.5 VA 24VDC ~ 0.5 W		
Nominal Frequency				50/60 Hz		
Frequency Range				± 5%		
Contact Specifications						
Туре			1 char	igeover contact		
Switching Capacity (according to AC 15)				ntact 2A / 230VAC ntact 1A / 230VAC		
Max Wire Size			22–14 AW	G solid or stranded		
Mechanical Lifetime			> 1x107	switching cycles		
Electrical Lifetime			> 1x105	i switching cycle		
Time Circuit Specifications						
Time Ranges	0.05 ~ 0.5 sec, 0.2 ~ 2 sec, 1.5 ~ 15 sec, 12 ~ 120 sec	1 ~ 10 sec		0.02* ~ 1 sec, 0.06* ~ 6 sec, 0.3 ~ 30 sec 0.03 ~ 3 min, 0.3 ~ 30 min, 3 ~ 300 min 0.3 ~ 30 hr, 3 ~ 300 hr (* 0.08 s for AV and IE functions)		
Time Setting	Infinite, 1:10 on relative scale			Infinite, 1:100 on relative scale		
Recovery Time				< 100ms		
Repeat Accuracy	≤ 0.59	% of set time delay + 10	ms	\leq 0.8% of set time delay + 20ms		
Voltage Influence				≤ 1%		
Temperature Influence	0.25 % / K			≤ 2% at range 0 – 60°C ≤ 5% at range -20 – 0°C		
General Specifications	ral Specifications					
Connection (fixed screw terminal)	$0.34 - 2 \times 2.5 \text{ mm}^2 / 22-14 \text{ AWG solid or}$ $0.34 - 2 \times 2.5 \text{ mm}^2 / 22-14 \text{ AWG stranded wire with and without ferrules}$					
Tightening Torque				0.5 N·m		
Ambient Temperature	-40 1	o +60°C [-40 to +140°	F]	-20 to +60°C [-4 to +140°F]		
Storage Temperature	-40 1	o +70°C [-40 to +158°	F]	-25 to +70°C [-13 to +158°F]		
Relative Air Humidity			93	% at 40°C		
Protection Rating			Housing IP	40 / Terminals IP20		
Vibration Resistance			Amplitude 0.35	mm frequency 10 – 55Hz		
Mounting			35	mm Din-rail		
Relay Indicator	On, when corresponding output relay is active (contact 15–18 closed)		y is active	Green LED: On, when supply connected Yellow LED "R/t": Shows status of output relay and time delay (15-16-18 -Continuous off: Output relay not active;no time delay -Continuous on: Output relay active no time delay -Flashing (short on, long off) Time delay: output relay not active -Flashing (long on, short off) Time delay: output relay active		
Weight (g [oz])	65.0 [2.29]	60.0 [2.11]	70.0 [2.46]		
Agency Approvals and Standards *			C	ULus, CE		
UL Data						
Switching Capacity	Ambient temperature 60°C: Pilot duty B300 4A 240VAC G.P. 4A 30VDC G.P.					
UL Specified Wire Connection	60°C / 75°C copper conductors only AWG 22 – 14 solid or stranded Torque 0.5 N⋅m					

Notes: ¹at terminals A3-A2 ² at terminals A1-A2

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.