

Precision & Reliability in Relays

Whether you're a machine builder or end user, control panel designer or facility maintenance manager, Eaton's offering of relays includes the device you need for your application. The breadth of relay options available, from general-purpose and timing relays to advanced solid-state devices, allows Eaton to meet almost any specification. And the ability to customize those

products to meet your specific application requirements is why customers like you turn to Eaton.

Not only is the product offering expansive, but customization capabilities and DIN-rail assembly services make Eaton the logical choice for your relay needs.



Customization and Custom-Engineering

If the standard product doesn't meet your unique application needs, Eaton is committed to finding the solution that does. This is made easy as the many knowledgeable engineering and technical support engineers understand the intricacies of using these products in a wide variety of applications. They are

committed to answering questions and tailoring solutions to fit your specific needs. Your application requires specific solutions, designed to meet your exact specifications. Eaton prides itself on being able to solve your problems and keep your machinery and processes running efficiently and effectively by offering custom-engineered products that meet your specifications and project timing.

DIN-rail Assembly Services... Making Your Concept Reality

Eaton offers custom rail assembly services, with 24-hour turnaround on quotations and as little as 48-hour turnaround on shipping approved designs. We'll assemble the exact configuration you need from a broad range of Eaton products as well as products from other vendors.

Your custom rail assembly will arrive on time exactly as you need it to keep you on schedule.



General Purpose & Terminal Block Relays				
Туре	9575 Power Relays	D2PF/D2PR General Purpose Relays	D3PF/D3PR General Purpose Relays	D4PR General Purpose Relays
Approvals	UL listed, CSA approved, CE approved	UL recognized, UL listed, CSA approved, CE approved	UL recognized, UL listed, CSA approved, CE approved	UL recognized, CSA approved, CE
Features	Optional auxiliary switch, optional blowout magnets for high DC switching, and available NEMA 1 enclosure; riveted screw construction for long life	Polycarbonate cover; available LED, test button, flag indicator, lock-down door, finger-grip cover; latching versions available	Octal plug-in relay with poly- carbonate cover; available LED, test button, flag indicator, lock- down door, finger-grip cover; latching versions available	Slim style power relay, socket has built-in hold-down clip; indicator lamp available
Mounting	Panel	Panel, DIN and flange mounting	Panel and DIN mounting	Panel and DIN mounting
Contact Data				
Configuration –	DPDT	DPDT DPDT 4PDT Latching	SPDT DPDT 3PDT	SPDT DPDT
Max. Allowable Load –	40 A up to 300 Vac; 40 A at 28 Vdc; 5 A at 480/600 Vac	D2PF: 10 A 3 A at 3 A at at 120 Vac 220 Vac D2PR: 5 A at 240 Vac	12 A at 12 A at 10 A at 120 Vac 120 Vac 240 Vac	10 A at 250 Vac, 5 A at 240 Vac, 10 A at 30 Vdc 5 A at 30 Vdc
Horsepower –	1.5 hp each pole at 120 – 600 Vac	1/3 hp at 1/3 hp at 1/10 hp 120 Vac; 120 Vac; at 120 1 hp at 1 hp at Vac/ 277 Vac 277 Vac 277 Vac	1/3 hp at 120 Vac; 1/2 hp at 240 Vac	1/3 hp (125 Vac), 1/6 hp (120 Vac), 1/2 hp (250 Vac), 1/3 hp (240 Vac), 1/2 hp (277 Vac) 1/2 hp (277 Vac)
Min. Permissible Load –	1 A at 12 Vac/dc	100 mA at 5 Vdc	100 mA at 5 Vdc	100 mA at 5 Vdc 10 mA at 5 Vdc
Dielectric Strength –	1500 V	1500 V	1500 V	5000 V
Pilot Duty –	A600	B300	B300	B300
Coil Data				
Available AC Voltages –	6 – 600 Vac 6 – 220 Vdc	6 - 240 Vac 6 - 110 Vdc	6 - 240 Vac 6 - 110 Vdc	6 – 240 Vac 6 – 110 Vdc
Available DC Voltages –	6 – 220 VUC	6 - 110 vac	6 - 110 vac	6 – 110 vac
Power – VA (Vac) • Watts (Vdc) •	10 VA; 4 Watts N/A	1.2 VA 1.1 Watts	3 VA 1.4 Watts	0.9 VA 0.5 Watts
General Data				
Life – Mechanical Operations • Electrical Operations •	1 million 100,000	10 million 200,000	5 million (D3PF)/10 million (D3PR) 100,000 (D3PF)/100,000 (D3PR)	10 million 100,000
Pick-up Voltage –	80% DC coils; 85% AC coils (of nominal)	80% DC coils; 85% AC coils (of nominal)	80% DC coils; 85% AC coils (of nominal)	80% DC coils; 70% AC coils (of nominal)
Drop-out Voltage –	10% of nominal voltage	10% of nominal voltage	10% of nominal voltage	30% AC, 15% DC
Operating Temperature –	-40° to 55°C	-40° to 70°C	-40° to 55°C	-40° to 70°C











D5PF/D5PR General Purpose Relays	D7PF/D7PR General Purpose Relays	D8 Power Relays	D9 Power Relays	XR Series Terminal Block Relays
UL recognized, UL listed, CSA approved, CE approved	UL recognized, UL listed, CSA approved, CE approved	UL recognized, CSA approved	UL recognized, CSA approved	cULus listed, CE
Spade-based relay with poly- carbonate cover; available LED, test button, flag indicator, lock- down door, finger-grip cover	Polycarbonate cover; available LED, test button, flag indicator, lock-down door, finger-grip cover	High-capacity, high-withstand relay compatible with momentary voltage drops (no contact chat- tering), UL Class B construction	Ideal for 3-phase motor control applications, no contact chatter- ing for momentary voltage drops up to 50% of rated voltage, push- to-test button is standard, mount- ing bracket supplied with relay	Pluggable relay allows easy field replacement, LED indicator stan- dard, functional plug-in bridges available; Only 6.2 mm wide for SP and 14 mm wide for DP
Panel and DIN mounting	Panel, DIN and flange mounting	Panel, DIN and flange mounting	Panel mounting	DIN rail mounting
SPDT DPDT 3PDT	SPDT DPDT 3PDT 4PDT	SPST-NO DPST-NO	NO contacts NC contacts	SPDT — 6 A or 10 A, DPDT — 6 A OptoCoupler — 2 A
15 A at 15 A at 15 A at 120/240 120/240 120/240 Vac, 13 A Vac, 12 A Vac, 11 A at 28 Vdc at 28 Vdc	20 A at 15 A at 15 A at 15 A at 277 Vac 120 Vac 120 Vac	30 A at 220 Vac 25 A at 220 Vac	25 A at 220 Vac 8 A at 220 Vac /30 Vdc /30 Vdc	Available on request
1/3 hp, 120 Vac; 1/2 hp, 240 Vac	1/3 hp, 120 Vac; 1/2 hp, 240 Vac	1-1/2 hp, 120 Vac and 3 hp, (240/265/277 Vac)	1-1/2 hp, 120 Vac and 3 hp (240/ 265/277 Vac), 3-phase 3 hp (240/ 265/277 Vac) 30k cycles, 3-phase 5 hp (240/265/277 Vac) 30k cycles	N/A
100 mA at 5 Vdc	100 mA at 5 Vdc	100 mA at 5 Vdc	100 mA at 24 Vdc	10 mA at 12 Vdc
1500 V (D5PF)/2000 V (D5PR)	1000 V (D7PF1, D7PF2, D7PF3)/1500 V	4000 V	4000 V	4000 V
B300	B300	N/A	N/A	N/A
24 – 110 Vac (D5PF)	6 – 240 Vac	6 – 240 Vac	24 – 240 Vac	24 Vac, 120 Vac
24 – 110 Vdc (D5PF) 6 – 110 Vdc (D5PR)	6 – 110 Vdc	12 – 24 Vdc	12 – 110 Vdc	12 Vdc, 24 Vdc, 110 Vdc
3 VA 1.4 Watts	3.0 VA (D7PF3, D7PF4)/2.55 VA 2.3 Watts (D7PF1, D7PF2, D7PF4); 3.4 Watts (D7PF3)/1.5 Watts	2.5 VA 1.9 Watts	2.6 VA 2.0 Watts	1500 VA, 120 mW
5 million 100,000	10 million 100,000 (D7PR3, D7PR4, D7PF1) 150,000 (D7PF3, D7PF4) 200,000 (D7PF2, D7PR1, D7PR2)	5 million 100,000	1 million 100,000	20,000,000 N/A
80% DC coils; 85% AC coils (of nominal)	80%	75%	75%	Available on request
10% of nominal voltage	30% AC, 10% DC	15%	10%	Available on request
-40° to 55°C	-40° to 70°C	-20° to 85°C	-25° to 60°C	-20° to 60°C

Monitoring & Specialty Relays	AND THE PARTY OF T		
Туре	D64 Ground Fault Relays	D65 Phase Monitoring Relays	D65C Standard Current Monitoring Relays
Features	Provide reliable detection of ground fault conditions on single and three-phase grounded systems; built-in current sensor and adjustable trip settings for ease of use; built-in Test System; Type 2 coordination on some models	Protects against combinations of phase loss, reversal, unbalance, over/undervoltage; LED indication of normal and fault conditions, universal input voltage versions available, compact size utilizing industry standard plug-in sockets	Monitors AC single-phase currents from 0.1 – 10 A, external CT can be used to extend ranges, LED indicates output relay status, choice of fixed or useradjustable settings
Input Voltage	24 – 240 Vac/dc	120 – 480 Vac, 600 Vac for select units Transient Protection: 10,000 volts for 20 microseconds	24 Vac; 120 Vac Tolerance: +10/-15% of nominal voltage at 50/60 Hz
Output Contacts	Standard Model — Form "Z" (4 terminal) NO and NC output contacts, 5 A at 250 Vac Service Protection Model also available	D65VMC, D65PLR, D65PAR: 10 A SPDT at 240 Vac; 1/3 hp at 240 Vac (N0); 1/6 hp at 240 Vac (NC); D65VMLS SPDT and SPNC: NO: 10 A Resistive at 240 Vac/30 Vdc; 1/2 hp at 240 Vac; NC: 10 A Resistive at 240 Vac/30 Vdc; 1/3 hp at 240 Vac; D65VMLP SPDT: 10 A Resistive at 240 Vac/30 Vdc; 1/2 hp at 120/240 Vac	10 A Resistive at 240 Vac/30 Vdc 1/2 hp at 240 Vac (NO) 1/3 hp at 240 Vac (NC)
Load (Burden)	0.6 VA at 24 Vac; 0.8 VA at 120 Vac; 1.1 VA at 240 Vac	3 VA	Less than 5 VA
Pick-up & Drop-out Settings	Trip current ranges from 30 mA to 9000 A	N/A	Pick-up: Adjustable throughout current range monitored
	N/A	N/A	Drop-out: Fixed at 95% of pick-up setting for D65CE; adjustable from 50 – 95% of pick-up setting for D65CEK
Temperature	-20° to +50°C	-20° to 150°F (-28° to 65°C)	-20° to 131°F (-28° to 55°C)
Response Times	Adjustable 20 ms – 5s, Fixed as an option	Operate: 50 ms; Release: 50 ms: For D65VMLS and D65VMLP only: Power up & Restart After Fault — 1 – 300 seconds adjustable; Drop-out Due to Fault: 100 ms fixed on phase loss and phase reversal; 2 seconds fixed on phase unbalance; 0.1 – 20 seconds adjustable on undervoltage; fixed time based on inverse time curve for overvoltage (consult catalog for details)	Pick-up: 100 ms Drop-out: 100 ms
Mechanical Life	50,000,000 operations	10,000,000 operations	10,000,000 operations
Electrical Life	100,000 operations at rated current of output contacts	100,000 operations	100,000 operations
Indicator LED	Run and trip indicating LEDs	Red LED ON: All conditions are normal; Red LED OFF: A fault condition has occurred; D65VMLS, D65VMLP: Multi-color LED (flashing patterns): Indicates type of fault	Green: Input voltage is applied Red: Relay is energized
Reset	Pulsed (trip) auto reset mode	Automatic (Upon correction of fault)	Automatic
Mounting	Panel or 35 mm DIN Rail	DIN mount with 8-pin octal socket (requires a 600 V rated socket when used on system voltage greater than 300 V)	DIN mount with an 8- or 11-pin socket
Approvals	UL listed 1053 (Class 1), CSA, CE, IEC 60755, EN 50081-1	cURus, cULus, RoHS, CE (D65VMLS, D65VMLP only)	cURus, cULus, RoHS, CE

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D65C Overcurrent & Undercurrent Monitoring Relays	D65V Voltage Band Relays	D65V Fixed & Adjustable Time Delay Over/Undervoltage Relays	D85 Alternating Relays	Eclipse Series Panel Meters
Monitors AC single-phase currents from 0.1 – 10 A, external CT can be used to extend ranges, LED indicates output relay status, choice of fixed or useradjustable settings	Monitors AC single-phase and DC voltages; provides voltage band (window) protection, wide range of overvoltage, undervoltage, and time delay settings; LED indicates output relay status	Monitors AC single-phase and DC voltages; wide range of useradjustable pick-up, drop-out and time delay settings; LED indicates output relay status	For duplex load monitoring; works with 1 – 3 control switches (LEAD, LAG, STOP); optional low profile selector switch to lock in one sequence; 2 LEDs indicate relay status	Digital panel meters display voltage or current via 4-digit, 14 mm high LED characters; high and Low alarms, analog retransmission and RS-485 communications options; max/min. capture hold feature is standard
24 Vac; 120 Vac Tolerance: +10/-15% of nominal voltage at 50/60 Hz	24 Vac, 120 Vac, 12 — 110 Vdc Tolerance: +25/-50% of nominal voltage; AC voltages are 50/60 Hz; no separate supply (input) voltage is required.	24 Vac, 120 Vac, 12 — 110 Vdc Tolerance: +25/-50% of nominal voltage; AC voltages are 50/60 Hz; no separate supply (input) voltage is required.	12 – 240 Vac Tolerance: +10/-150% of control voltage at 50/60 Hz Transient Protection : 10,000 volts for 20 microseconds	Voltage input ranges: AC Model: Maximum +/-199.9 Vac DC Model: Maximum +/-199.9 Vdc Current input ranges: AC Model: Maximum +/-199.9 mA AC DC Model: Maximum +/-199.9 mA DC 5 A AC Model Current input range: 5 A AC, true rms
10 A Resistive at 240 Vac/30 Vdc 1/2 hp at 240 Vac (NO) 1/3 hp at 240 Vac (NC)	10 A Resistive at 240 Vac/30 Vdc 1/2 hp at 240 Vac (NO) 1/3 hp at 240 Vac (NC)	10 A Resistive at 240 Vac/30 Vdc 1/2 hp at 240 Vac (NO) 1/3 hp at 240 Vac (NC)	10 A Resistive at 240 Vac/30 Vdc; 1/2 hp at 240 Vac	5 A, 250 Vac or 30 Vdc
Less than 5 VA	Less than 3 VA	Less than 3 VA	Less than 3 VA	N/A
Pick-up: Overcurrent: Adjustable throughout current range monitored /Undercurrent: Fixed at 5% above adjustable drop-out setting Drop-out: Overcurrent: Fixed at 95% of pick-up setting for D65CE; adjustable from 50 – 95% of pick-up setting for D65CEK/ Undercurrent: Adjustable throughout current range monitored	Pick-up: 100 – 125% of nominal voltage Drop-out: 75 – 100% of nominal voltage	Pick-up: Adjustable from 85 – 115% of nominal voltage Drop-out: Fixed at 95% of the pick-up setting for D65VMP and D65VAP; adjustable from 75 – 95% of the pick-up setting for D65VMKP and D65VAKP	N/A	Pick-up: Alarms can be set at any level Drop-out: Alarms can be set at any level
-20° to 131°F (-28° to 55°C)	-20° to 131°F (-28° to 55°C)	-20° to 131°F (-28° to 55°C)	-20° to 150°F (-28° to 65°C)	32° to 122°F (0° to 50°C) operating temperature
Pick-up: Overcurrent: Adjustable 0.1 – 10 seconds/Undercurrent: Fixed at 100 ms Drop-out: Overcurrent: Fixed at 100 ms/Undercurrent: Adjustable 0.1 – 10 seconds	Pick-up: 500 ms Drop-out: Fixed 500 ms (D65VWP Series); adjustable 0.5 – 10 seconds (D65VWKP Series)	Pick-up: 500 ms Drop-out: Fixed 500 ms D65VMP and D65VMKP; adjustable 0.5 –10 seconds D65VAP and D65VAKP	N/A	Approximately 500 ms
10,000,000 operations	10,000,000 operations	10,000,000 operations	10,000,000 operations	10,000,000 operations
100,000 operations	100,000 operations	100,000 operations	100,000 operations	100,000 operations
Green: Input voltage is applied Red flashing: In time delay Red steady: Relay is energized	Red steady: Relay is energized Green: Relay is OFF	Red steady: Relay is energized Green: Relay is OFF	2 LEDs : Marked LOAD A and LOAD B	Plus/minus 4-digit LED numerical display: Flashes when alarm 1 condition is active
Automatic	Automatic (Contact Eaton for information on how to order a unit with manual reset)	Automatic	N/A	Automatic (Upon correction of fault)
DIN mount with an 8- or 11-pin socket	DIN mount with an 8-pin socket	DIN mount with an 8-pin socket	DIN mount with an 8- or 11-pin socket	1/8 DIN front panel mount (92 mm x 45 mm panel cut-out)
cURus, cULus, RoHS, CE	cURus, cULus, RoHS, CE	cURus, cULus, RoHS, CE	cURus, cULus, RoHS, CE	UL and cUL listed, CE, RoHS

Counting & Timing Relays	-5	FAM.	#23458 #23458	TOTAL 2912
Туре	E5-148-C1400 Counting Relays	E5-148-Cx42x Counting and Timing Relays	Eclipse Series Counting Relays	Ambassador Series Counting Relays
Features	Low-cost battery-powered count control with easy set point adjustment — 1/16 DIN panel mount	Single and dual preset count controls with scaling and backlight, 1/16 DIN panel mount; up to 10 kHz counting speed	1/8 DIN panel mount count control with NEMA 4X protection and easy frontpanel programming; up to 8250 Hz counting speed	8-digit totalizer, rate meter, 4 user-configurable control inputs; up to 20 kHz counting speed
Mounting Configuration	Front/door panel	Front/door panel	Front/door panel	Front/door panel
Display	2-line LCD	2-line LCD	LED	2-line LCD
Functions	Single-preset count control	1 or 2-preset count control with scaling, timing, rate metering and batch control	2-preset count control with scaling, rate metering and batch control	Count control with scaling, rate metering and batch control available
Number of Presets/Relays	1	Up to 2	2	Up to 4
Power Supply	Battery	90 – 260 Vac/10 – 30 Vdc	85 – 265 Vac/9 – 30 Vdc	115 Vac/230 Vac
Relay Contacts	SPST, programmable as NO or NC	SPST, programmable as NO or NC	SPDT	SPDT
Relay Contact Ratings	2 A	3 A	5 A	250 Vac, 360 VA Pilot Rating
Additional Output Options	N/A	N/A	Analog (4 – 20 mA/0 – 10 V) RS-485 communications	RS-485 communications, transistor output
Approvals	cURus, CE , RoHS	cURus, CE , RoHS	UL, cUL listed, CE, RoHS	UL, cUL listed, CE











President Series Counting Relays	E42A24M Timing Relays	E5-248-C1420 Timing Relays	TMR5 Timing Relays	TR Timing Relays
14 mm high LED characters, 68 x 138 mm panel cut-out, multiple functions/ models available	AC/DC powered time control, analog, 7 timing modes, panel mounted, 0.02 seconds to 300 hours	Battery powered time control, battery included, digital, 8 timing modes, 0.2 seconds to 99.999 hours	Single function plug-in style OEM relays; wide variety of features and operating characteristics; programmable or fixed versions available	Programmable timing relay with 20 selectable timing ranges from 0.1 second to 600 hours and 10 timing functions
Front/door panel	Front/door panel or DIN rail	Front/door panel	Plug-in/DIN rail	Plug-in/DIN rail
LED	Analog set point	2-line LCD	N/A	N/A
Count control with scaling, rate metering and batch control available	On Delay, Off Delay, Single Shot, Timing After Pulse, Percentage Timer, Timing After Closing & Opening, Pulse Output	On Delay, Off Delay, One Shot, Single Shot, Repeat Cycle Delay, Repeat Cycle, Repeat Cycle Sym- metrical Delay, Repeat Cycle Symmetrical	On Delay, Off Delay, True Off Delay, Interval On, Single Shot, Watchdog, Flasher, Repeat Cycle, Off/On, Repeat Cycle On/Off, Delayed Interval, Delayed Interval (Triggered)	Power Triggered — On Delay, Interval, Cycle Signal Triggered — On Delay, Off Delay, Cycle, Signal On/OFF Delay, One Shot
Up to 3	2	1	1	1
120 Vac/240 Vac	24 – 240 Vac/12 – 240 Vdc	Battery	12 – 240 Vac/dc	24 Vac/24 Vdc/100 – 240 Vac
SPDT	DPDT	SPST voltage-free, programmable as NO or NC	DPDT	DPDT
10 A	5 A	8 A	10 A	10 A
RS-485 communications, transistor output	N/A	N/A	N/A	N/A
UL, cUL listed, CE	CE, CSA, cURus	cURus, CE, RoHS	cURus, cULus, CE, RoHS	CSA, cURus, cULus, CE, RoHS

Solid-State Relays			
Туре	D93 Hockey Puck	D96 IEC Style	D99 Integrated Heat Sink
Features	LED input indicator, finger-safe terminals, optically coupled circuit, available Triac and MOSFET outputs for DC-operated relays	LED input indicator, integral heat sink, isolated output terminals, screw terminals accept up to 14 AWG wire, SCR output type	LED input indicator, integral heat sink, flexible mounting, finger-safe terminals
Mounting	Panel mounting	DIN rail or panel	DIN rail or panel
Standards/ Certifications	cURus, CSA, CE, RoHS	cURus, CSA, CE, RoHS	cURus, CSA, CE, RoHS
Contact Ratings	10 – 75 A	8, 10, 15 A	10, 25, 40 A
Output Voltage	24 – 280 Vac/3 – 200 Vdc	3 – 50 Vdc/24 – 280 Vac/48 – 480 Vac/ 48 – 600 Vac	24 – 280 Vac/48 – 660 Vac
Number of Poles	SPST or DPST/Normally Open	SPST/Normally Open or	SPST/Normally Open
Available Coils/ Input Voltage	90 – 280 Vac/3 – 32 Vdc	Normally Closed 90 – 280 Vac/3 – 32 Vdc/3.5 – 32 Vdc	3 – 32 Vdc/90 – 280 Vac or 80 – 140 Vdc
Accessories	Heat sink Heat transfer thermal pad	N/A	N/A
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Machine Tool Relays	The second second		The state of the s	1.74 D
Туре	D15 Freedom 600 V Multipole Relays	BF/BFD Fixed Contact Industrial Control Relays	AR/ARD Convertible Contact Industrial Control Relays	D26 Type M, 600 Vac Multipole Relays with Convertible Contacts
Features	Indicator shows ON/OFF status; relay base has mounting holes to replace competitive product; terminals are finger-proofed	Captive clamp terminals fully front-accessible, low operating temperature, silver alloy contacts suitable for low voltage circuits	Wide spaced contacts simplify installation, testing and conversion from NO to NC	AC and DC multipole relays with field convertible contacts; many accessories available for complete flexibility in product offering
Mounting	Panel or 35 mm DIN rail	Panel mount	Panel mount	Panel mount
Standards/ Certifications	UL® listed CSA® approved, CE certified	UL recognized, CSA certified	UL recognized, CSA certified	UL listed, CSA approved
Contact Ratings	NEMA® A600 10 A continuous thermal rating (AC) NEMA P300 5 A continuous thermal rating (DC)	NEMA A300 10 A at 120/240 Vac 1/6 hp at 115 Vac — (single-phase) 1/2 hp at 230 Vac — (single-phase) 1 hp at 230 Vac — (3-phase) NEMA P300 5 A at 125/250 Vdc	NEMA A600 10 A at 120/240/480/600 Vac NEMA P600 5 A at 125/250/600 Vdc	NEMA A600 10 A at 120/240/480/600 Vac
Number of Poles	4 – 8 (NO and NC combinations)	2 – 12 (NO and NC combinations)	4 – 10 (NO and NC combinations)	4 – 12 (NO and NC combinations)
Available Coils	24 – 600 Vac,12 – 120 Vdc	12 – 440 Vac, 6 – 240 Vdc	12 - 600 Vac, 12 - 240 Vdc	6 - 600 Vac, 12 - 240 Vdc
Accessories	Pneumatic timer attachment Finger protection shields Adhesive dust cover Transient suppressor kits Interface module	Solid-state timer attachment Permanent magnet latch FASTON push-on terminals Overlapping contacts NEMA 1 enclosure	Mechanical latch attachment Solid-state timer attachment Ring-type connectors Overlapping contacts	Pneumatic timer Mechanical latch Overlapping contacts Indicating light Test accessory Transient suppressor Mounting channel

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