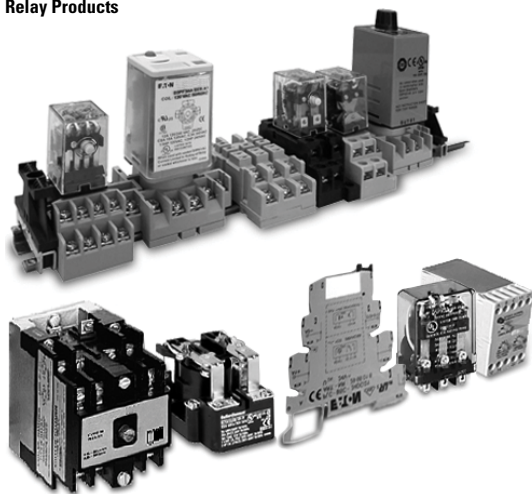


Relay Products

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Contents

Description

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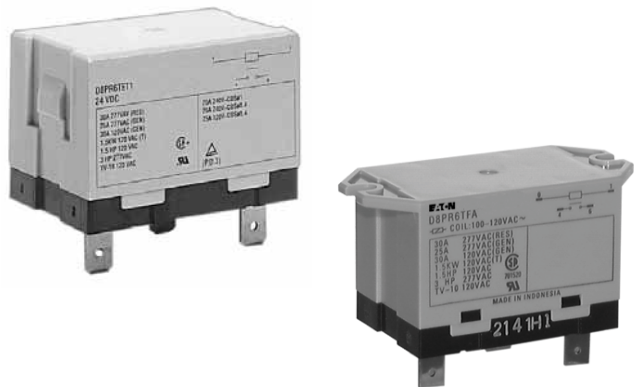
Terminal Block Relays	V7-T3-3
Programmable Relays	V7-T3-19
General Purpose Plug-In Relays	V7-T3-49
General Purpose Type AA Relays	V7-T3-118
Solid-State Relays	V7-T3-122
Machine Tool Relays	V7-T3-141
Timing Relays	V7-T3-167
Alternating Relays	V7-T3-188
Safety Relays	V7-T3-193

Control Relays and Timers Comparison

Selection Guide by Catalog Number Prefix

Relays	Type	Mounting	Contacts	Maximum Amperage (AC)	RU	UL	CSA	CE	Page Number
9575H3	General purpose	Panel mount	Fixed	40 A	—	■	■	■	V7-T3-119
AR/ARD	Machine tool	Panel mount	Convertible	10 A	—	■	■	—	V7-T3-154
BF/BFD	Machine tool	Panel mount	Fixed	10 A	■	—	■	—	V7-T3-148
D2RF	Full featured plug-in	DIN rail / panel mount	Fixed	10 A	■	—	■	■	V7-T3-59
D2RR	Standard plug-in	DIN rail / panel mount / flange	Fixed	10 A	■	—	■	■	V7-T3-59
D3RF	Full featured plug-in	DIN rail / panel mount	Fixed	16 A	■	—	■	■	V7-T3-69
D3RR	Standard plug-in	DIN rail / panel mount	Fixed	16 A	■	—	■	■	V7-T3-69
D4PR	Standard plug-in	DIN rail / panel mount	Fixed	10 A	■	—	■	■	V7-T3-77
D5RF	Full featured plug-in	DIN rail / panel mount	Fixed	16 A	■	—	■	■	V7-T3-82
D5RR	Standard plug-in	DIN rail / panel mount / PC board	Fixed	16 A	■	—	■	■	V7-T3-82
D7PF	Full featured plug-in	DIN rail / panel mount	Fixed	20 A	■	—	■	■	V7-T3-91
D7PR	Standard plug-in	DIN rail / panel mount / flange	Fixed	20 A	■	—	■	■	V7-T3-91
D8PR	Standard plug-in	DIN rail / panel mount / flange	Fixed	30 A	■	—	■	■	V7-T3-104
D9PR	Standard plug-in	Panel mounting	Fixed	25 A	■	—	■	—	V7-T3-109
D15	Machine tool	DIN rail / panel mount	Fixed	10 A	—	■	■	■	V7-T3-143
D26	Machine tool	Panel or channel mount	Convertible	10 A	—	■	■	—	V7-T3-159
D85	Alternating relays	DIN rail / panel mount	Fixed	10 A	■	■	—	■	V7-T3-189
D1RF	Full featured plug-in	DIN rail / panel mount	Fixed	20 A	■	—	■	■	V7-T3-54
D1RR	Standard plug-in	DIN rail / panel mount	Fixed	20 A	■	—	■	■	V7-T3-54
easyRelay	Programmable relay	DIN rail	Fixed	8 A	—	■	■	■	V7-T3-23
TMR5	Timing relay (non-programmable)	DIN rail / panel mount	Fixed	10 A	■	■	—	■	V7-T3-180
TMR6	Timing relay (non-programmable)	DIN rail / panel mount	Fixed	10 A	■	■	—	■	V7-T3-184
TR	Timing relay (programmable)	DIN rail / panel mount	Fixed	10 A	—	■	■	—	V7-T3-177
Universal TR	Timing relay (programmable)	DIN rail	Fixed	8 A	—	■	■	■	V7-T3-173
XR	Terminal block relay	DIN rail	Fixed	6 A, 10 A	■	—	—	■	V7-T3-5

D8 Series Relay



D8 Series

Product Description

The D8 Series power relays are perfect for loads up to 30 A, with versions for flange mounting and e-clip mounting available.

Features

- Allows switching of 25 A and 30 A loads
- A high-capacity, high-withstand voltage relay compatible with momentary voltage drops
- No contact chattering for momentary voltage drops up to 50% of rated voltage
- UL Class B construction standard
- Wide-range AC-activated coil that handles 100 to 120 Vac at either 50 or 60 Hz
- Panel, DIN rail and flange mounting

Contents

Description	Page
D1RR/D1RF Series	V7-T3-53
D2RR/D2RF Series	V7-T3-57
D3RR/D3RF Series	V7-T3-67
D4 Series	V7-T3-76
D5RR/D5RF Series	V7-T3-80
D7PR/D7PF Series	V7-T3-89
D8 Series	
Catalog Number Selection	V7-T3-104
Product Selection	V7-T3-104
Technical Data and Specifications	V7-T3-105
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Accessories	V7-T3-112

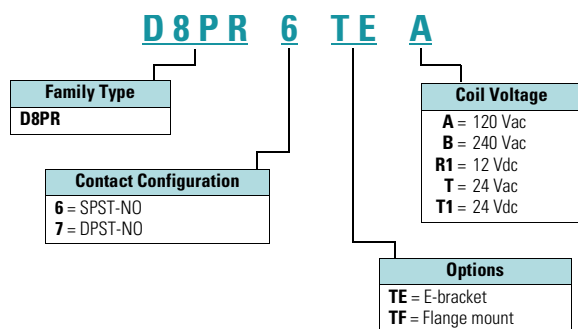
Standards and Certifications

-  File # E1491
-  File # LR701520
- 

Catalog Number Selection

D8 Series ^①

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Product Selection

D8 Relay/Socket Quick Reference

Relay Type	Mounting Bracket	Adapter Track/ Panel Mount	Front Connecting Sockets Track/ Panel Mount
D8PR6TE	D8PA5	D8PA1	D8PA2
D8PR7TE	D8PA5	D8PA1	D8PA2

D8 Series Relay

D8 Series ^②

Type	Standard Pack	Catalog Number
SPST E-Bracket		
Coil voltage		
24 Vac	1	D8PR6TET
24 Vdc	1	D8PR6TET1
SPST Flange Mount		
120 Vac	1	D8PR6TFA
24 Vdc	1	D8PR6TFT1
DPST E-Bracket		
Coil voltage		
120 Vac	1	D8PR7TEA
DPST Flange Mount		
120 Vac	1	D8PR7TFA
24 Vdc	1	D8PR7TFT1
Sockets		
DIN rail adapter	10	D8PA1
Screw terminal adapter	10	D8PA2
Bracket adapter	10	D8PA5
Accessory		
DIN rail end stop	100	PFP-M

Notes

- ① For deciphering catalog numbers. Do not use for ordering as not all combinations are readily available.
 ② Additional coil voltages available—consult Sales Office or Customer Support Center.

Technical Data and Specifications

Coil Resistance

Coil Voltage	Ohms	mA
24 Vac	303	71
110/120 Vac	5260	20.4
220/240 Vac	21,000	10.2
12 Vdc	75	158
24 Vdc	303	79

D8 Relays

Description	D8PR6	D8PR7
Rated load	220 Vac 30 A	220 Vac 25 A
Carry current	30 A	25 A
Max. operating voltage	250 Vac	250 Vac
Max. switching current	30 A	25 A
Contact material	AgCdO	AgCdO
Max. switching capacity	6600 VA	5500 VA
Min. permissible load	100 mA at 5 Vdc	100 mA at 5 Vdc
Mechanical life (min.)	5,000,000 operations	5,000,000 operations
Electrical life at all contact ratings (min.)	100,000 operations	100,000 operations
Maximum hp ratings	1-1/2 hp (120 Vac) 3 hp (240/265/277 Vac)	1-1/2 hp (120 Vac) 3 hp (240/265/277 Vac)

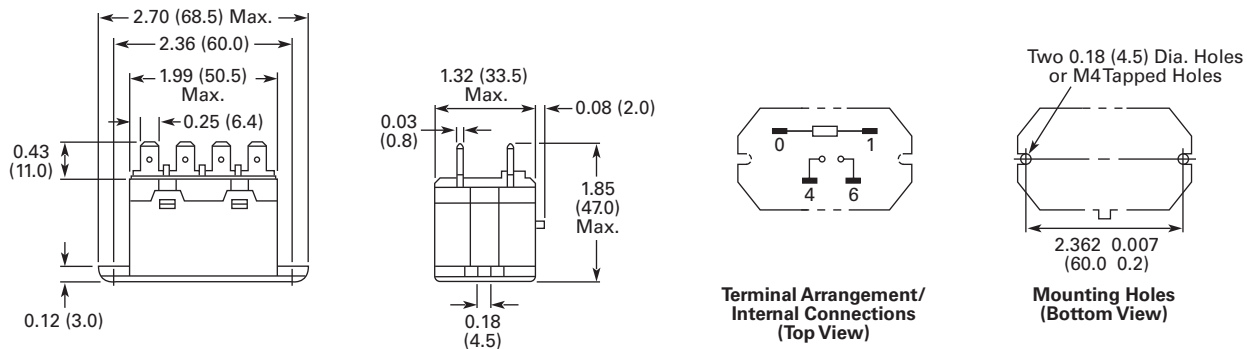
Coil Data

Coil Voltage	Must Operate	Must Release	Maximum Voltage
24 Vdc/Vac, 12 Vdc	75% maximum	15% minimum	110%
120 Vac	75 V	18 V	132 V
240 Vac	150 V	36 V	264 V

Dimensions

Approximate Dimensions in Inches (mm)

D8PR6TF



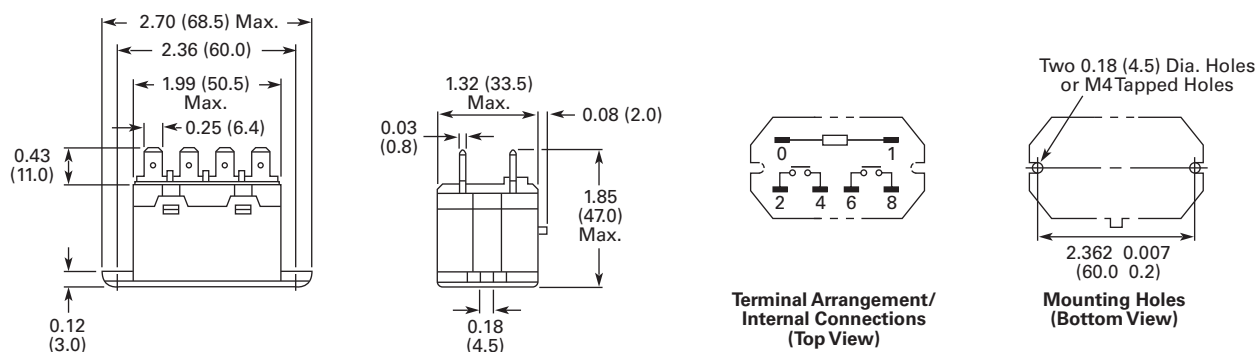
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Control Relays and Timers

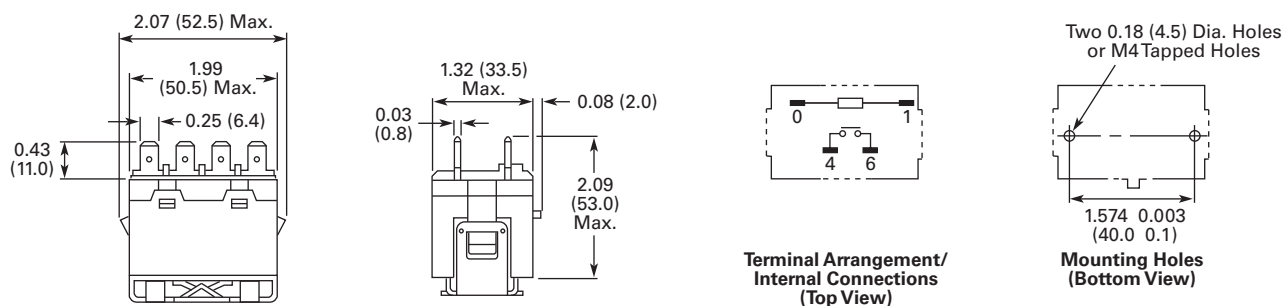
General Purpose Plug-In Relays

Approximate Dimensions in Inches (mm)

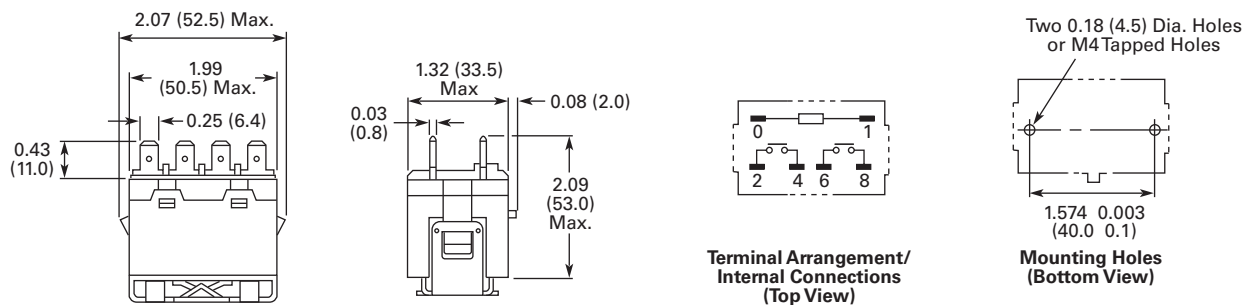
D8PR7TF



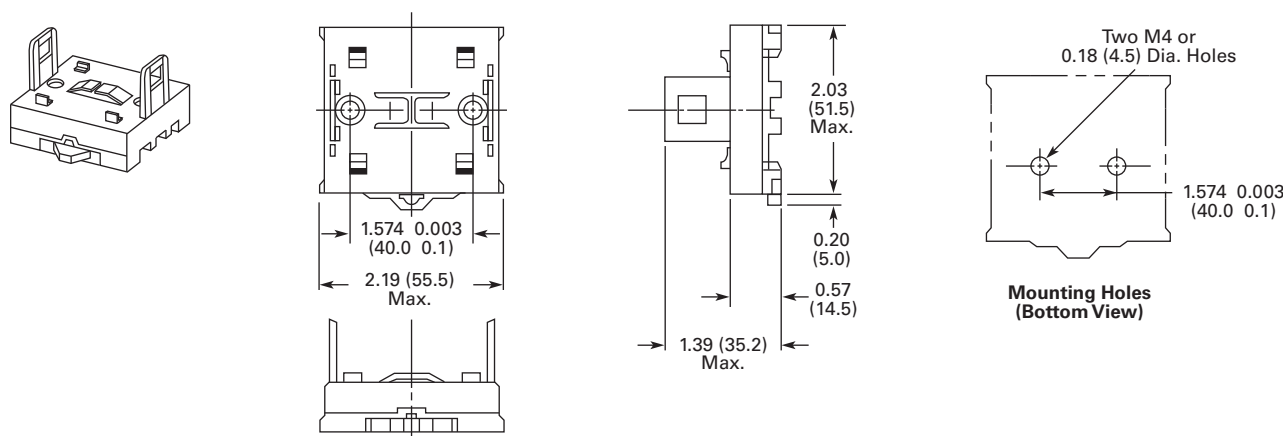
D8PR6TE with D8PA5 Bracket Attached



D8PR7TE with D8PA5 Bracket Attached



D8PA1



Note: Minimum spacing around relay = 0.20 inches (5 mm).