REVISIONS DESCRIPTION INITIAL DRAWING 09SEP2019 VM

Ordering Information and Coil Characteristics — No models in this series are maintained in stock.

Type	Ordering information and Coll Characteristics — No models in this series are maintained in stoc						
MDR-131-2	Туре		Contacts	(60 Hz.			
MDR-135-1	1	MDR-131-1	4PDT	115 VAC	6.5	1,230	
MDR-137-8		MDR-131-2	4PDT	440 VAC	5.1	1,880	
MDR-134-1 8PDT 115 VAC 6.5 1,230		MDR-135-1	4PDT	28 VDC	10.0	1,308	
MDR-134-2 8PDT		MDR-137-8	4PDT	125 VDC	10.3	2,375	
MDR-136-1		MDR-134-1	8PDT	115 VAC	6.5	1,230	
MDR-138-8 8PDT 125 VDC 10.3 2,375 MDR-163-1 12PDT 115 VAC 6.9 1,230 MDR-163-2 12PDT 440 VAC 6.3 1,880 MDR-170-1 16PDT 115 VAC 17.0 1,230 MDR-170-2 16PDT 440 VAC 17.0 1,880 MDR-170-2 16PDT 28 VDC 18.7 1,308 MDR-172-1 16PDT 125 VDC 16.0 2,375 MDR-141-1 24PDT 115 VAC 17.0 1,230 MDR-141-2 24PDT 440 VAC 17.0 1,230 MDR-141-2 24PDT 28 VDC 18.7 1,308 MDR-167-1 24PDT 28 VDC 18.7 1,308 MDR-167-1 24PDT 28 VDC 18.7 1,308 MDR-142-1 24PDT 125 VDC 16.0 2,375 MDR-4091 4PDT 125 VDC 16.0 2,375 MDR-4091 4PDT 440 VAC 5.5 1,230 MDR-4091 4PDT 440 VAC 3.0 1,880 MDR-67-3 4PDT 28 VDC 21.8 1,308 Small Latching MDR-5060 4PDT 125 VDC 20.6 2,375 MDR-4092 8PDT 115 VAC 5.5 1,230 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-6066 16PDT 140 VAC 5.7 1,880 MDR-6066 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 140 VAC 5.7 1,880 MDR-6066 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 140 VAC 5.7 1,880 MDR-6066 16PDT 28 VDC 8.8 1,308	Non-Latching	MDR-134-2	8PDT	440 VAC	5.1	1,880	
MDR-163-1 12PDT 115 VAC 6.9 1,230 MDR-163-2 12PDT 440 VAC 6.3 1,880 MDR-163-2 12PDT 115 VAC 17.0 1,230 MDR-170-1 16PDT 115 VAC 17.0 1,230 MDR-170-2 16PDT 440 VAC 17.0 1,880 MDR-172-1 16PDT 125 VDC 16.0 2,375 MDR-141-1 24PDT 115 VAC 17.0 1,230 MDR-141-1 24PDT 115 VAC 17.0 1,230 MDR-141-2 24PDT 28 VDC 18.7 1,308 MDR-167-1 24PDT 28 VDC 18.7 1,308 MDR-167-1 24PDT 28 VDC 16.0 2,375 MDR-402-1 24PDT 125 VDC 16.0 2,375 MDR-4091 4PDT 125 VDC 16.0 2,375 MDR-4091 4PDT 440 VAC 3.0 1,880 MDR-67-3 4PDT 28 VDC 21.8 1,308 MDR-4091 4PDT 440 VAC 3.0 1,880 MDR-4096 4PDT 125 VDC 20.6 2,375 MDR-4096 4PDT 125 VDC 20.6 2,375 MDR-4096 8PDT 115 VAC 5.5 1,230 MDR-4096 8PDT 115 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 125 VDC 20.6 2,375 MDR-6065 12PDT 125 VDC 20.6 2,375 MDR-6065 12PDT 125 VDC 20.6 2,375 MDR-6065 12PDT 125 VDC 20.6 2,375 MDR-6066 12PDT 125 VDC 8.8 1,308 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7025 16PDT 28 VDC 8.8 1,308 MDR-6066 16PDT 140 VAC 5.7 1,880 MDR-606		MDR-136-1	8PDT	28 VDC	10.0	1,308	
MDR-163-2		MDR-138-8	8PDT	125 VDC	10.3	2,375	
MDR-170-1		MDR-163-1	12PDT	115 VAC	6.9	1,230	
Mort		MDR-163-2	12PDT	440 VAC	6.3	1,880	
Mort	1	MDR-170-1	16PDT	115 VAC	17.0	1,230	
MDR-173-1		MDR-170-2	16PDT	440 VAC	17.0	1,880	
Non-Latching MDR-173-1 10PD 125 VDC 16.0 2,375 MDR-141-1 24PDT 115 VAC 17.0 1,230 MDR-141-2 24PDT 24 VDC 17.0 1,880 MDR-167-1 24PDT 28 VDC 18.7 1,308 MDR-142-1 24PDT 125 VDC 16.0 2,375 MDR-67-2 4PDT 115 VAC 5.5 1,230 MDR-4091 4PDT 440 VAC 3.0 1,880 MDR-67-3 4PDT 28 VDC 21.8 1,308 MDR-67-3 4PDT 125 VDC 20.6 2,375 MDR-4076 8PDT 115 VAC 5.5 1,230 MDR-4076 8PDT 115 VAC 5.5 1,230 MDR-4092 8PDT 440 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 28 VDC 20.6 2,375 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-6066 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308 MDR-7025 16PDT		MDR-172-1	16PDT	28 VDC	18.7	1,308	
MDR-141-1		MDR-173-1	16PDT	125 VDC	16.0	2,375	
MDR-167-1	14011-Laterining	MDR-141-1	24PDT	115 VAC	17.0	1,230	
MDR-142-1		MDR-141-2	24PDT	440 VAC	17.0	1,880	
MDR-67-2		MDR-167-1	24PDT	28 VDC	18.7	1,308	
MDR-4091 4PDT 440 VAC 3.0 1,880 MDR-67-3 4PDT 28 VDC 21.8 1,308 MDR-5060 4PDT 125 VDC 20.6 2,375 MDR-4076 8PDT 115 VAC 5.5 1,230 MDR-4092 8PDT 440 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-6066 16PDT 28 VDC 8.8 1,308		MDR-142-1	24PDT	125 VDC	16.0	2,375	
Small Latching MDR-67-3 4PDT 28 VDC 21.8 1,308 MDR-5060 4PDT 125 VDC 20.6 2,375 MDR-4076 8PDT 115 VAC 5.5 1,230 MDR-4092 8PDT 440 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-67-2	4PDT	115 VAC	5.5	1,230	
Small Latching MDR-5060 4PDT 125 VDC 20.6 2,375 MDR-4076 8PDT 115 VAC 5.5 1,230 MDR-4092 8PDT 440 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 Medium Latching MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-4091	4PDT	440 VAC	3.0	1,880	
MDR-4076 8PDT 115 VAC 5.5 1,230 MDR-4092 8PDT 440 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 Latching MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308 MDR-7025 16PDT 12PDT 12PDT 12PDT 12PDT MDR-7025 16PDT 12PDT 12PDT 12PDT 12PDT 12PDT MDR-7025 16PDT 12PDT 12PDT 12PDT 12PDT 12PDT 12P		MDR-67-3	4PDT	28 VDC	21.8	1,308	
MDR-4092 8PDT 440 VAC 3.0 1,880 MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 Latching MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-5060	4PDT	125 VDC	20.6	2,375	
MDR-5035 8PDT 28 VDC 21.8 1,308 MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308	Latching	MDR-4076	8PDT	115 VAC	5.5	1,230	
MDR-5061 8PDT 125 VDC 20.6 2,375 MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-4092	8PDT	440 VAC	3.0	1,880	
MDR-6064 12PDT 115 VAC 12.0 1,230 MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-5035	8PDT	28 VDC	21.8	1,308	
MDR-6065 12PDT 440 VAC 5.7 1,880 MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-5061	8PDT	125 VDC	20.6	2,375	
Medium Latching MDR-7020 12PDT 28 VDC 8.8 1,308 MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-6064	12PDT	115 VAC	12.0	1,230	
Medium Latching MDR-7035 12PDT 125 VDC 10.4 2,375 MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-6065	12PDT	440 VAC	5.7	1,880	
MDR-66-4 16PDT 115 VAC 12.0 1,230 MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308		MDR-7020	12PDT	28 VDC	8.8	1,308	
MDR-6066 16PDT 440 VAC 5.7 1,880 MDR-7025 16PDT 28 VDC 8.8 1,308	Medium	MDR-7035	12PDT	125 VDC	10.4	2,375	
MDR-7025 16PDT 28 VDC 8.8 1,308	Latching	MDR-66-4	16PDT	115 VAC	12.0	1,230	
		MDR-6066	16PDT	440 VAC	5.7	1,880	
MDR-7036 16PDT 125 VDC 10.4 2,375		MDR-7025	16PDT	28 VDC	8.8	1,308	
		MDR-7036	16PDT	125 VDC	10.4	2,375	

Specifications

Contact Data

Arrangements — 4 Form C (4PDT) through 24 Form C (24 PDT).

Contact Ratings

Contact Ratin	gs	$[0^{\circ}C \text{ to } +90^{\circ}C]$
Single Contacts	Two Contacts in Series	Mechanical
10 A, 115 VAC	3 A, 440 VAC	Termination – _ supplied
3 A, 28 VDC	15 A, 115 VAC	Weight (Appro
0.8 A, 125 VDC	1.5 A, 125 VDC	Small —4 & 8PDT — 32

The above AC contact ratings are based on contact loads having a 50% power factor. The DC contact ratings are based on resistive loads.

Latching Two-Position Types — Except for the latching feature, MDR - latching relays utilize the same general construction as non-latching types. They have two sets of coils and provide a latching two-position operation.

Operate Data @ 77°F [25°C]

Environmental Data

Temperature Range — Standard models — 0°F to +149°F 10°C to +65°C1 Special order models - 0°F to +194°F

Mechanical Data Termination — #5-40 screw terminals __ supplied

Weight (Approx.) — — Small —

4 & 8PDT — 32 oz. [0.914 kg];

12PDT — 33 oz. [0.943 kg]

Medium —

16PDT — 72 oz. [2.04 kg];

24PDT — 74 oz. [2.10 kg]

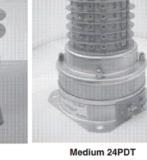
Note: All values are for reference. specific values may be different and subject to environmental factors such as temperature, humidity, pressure or variations in voltage.

Туре	Typ. Operate Time (ms)	Typ. Release Time (ms)			
Small AC Non-Latching	5 to 12	5 to 18			
Small DC Non-Latching	15 to 30	5 to 15			
Small AC Latching	6 to 12	N/A			
Small DC Latching	10 to 16	N/A			
Medium AC Non-Latching	6 to 12	6 to 20			
Medium DC Non-Latching	65 to 90	10 to 30			
Medium AC Latching	50 (max.)	N/A			
Medium DC Latching	30 to 80	N/A			

Product Facts

- AC and DC coils, latching and non-latching
- 4PDT through 24PDT contact arrangements
- Designed to withstand high impact shock per MIL-S-901

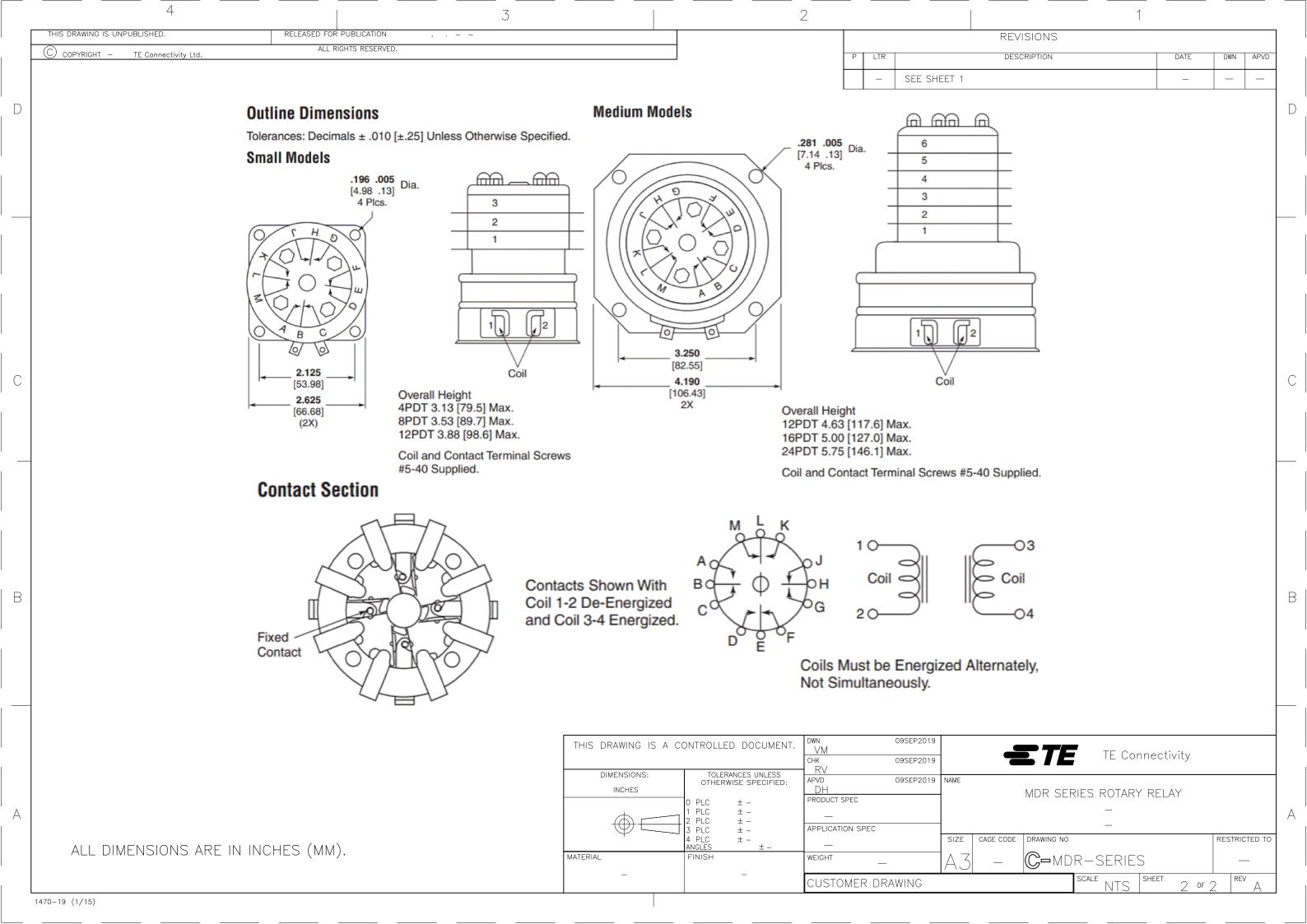




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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 09SEP20	19	_	- TE	TE Co	n n o o tivity		
DIMENSIONS	TOLEDANOES UNILESS	CHK 09SEP20	19	7	ETE	TE CO	nnectivity		
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD 09SEP20	19 NAME		MDD CE	RIES ROTAR'	V DELAV		
	0 PLC ± - 1 PLC ± -	PRODUCT SPEC			WIDIN SLI	TILS NOTAIN	INLLAI		
	2 PLC ± - 3 PLC ± -	APPLICATION SPEC				_			
T -	4 PLC $\pm -$ ANGLES $\pm -$	_	SIZE	CAGE CODE	DRAWING NO			F	RESTRICTED TO
MATERIAL	FINISH	WEIGHT	$A \overline{C}$	3 –	C -MD	R-SERIE	S		
_	_	CUSTOMER DRAWING				scale NTS	SHEET 1	0F 2	REV A

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