

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT - TE Connectivity Ltd.

ALL RIGHTS RESERVED.

REVISIONS

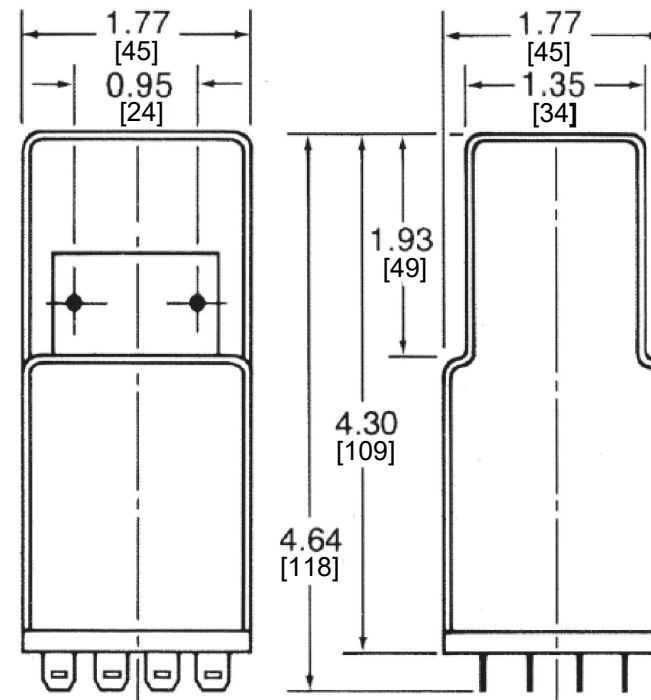
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		INITIAL DRAWN	06AUG2019	RV	DH

GP\*\* \*

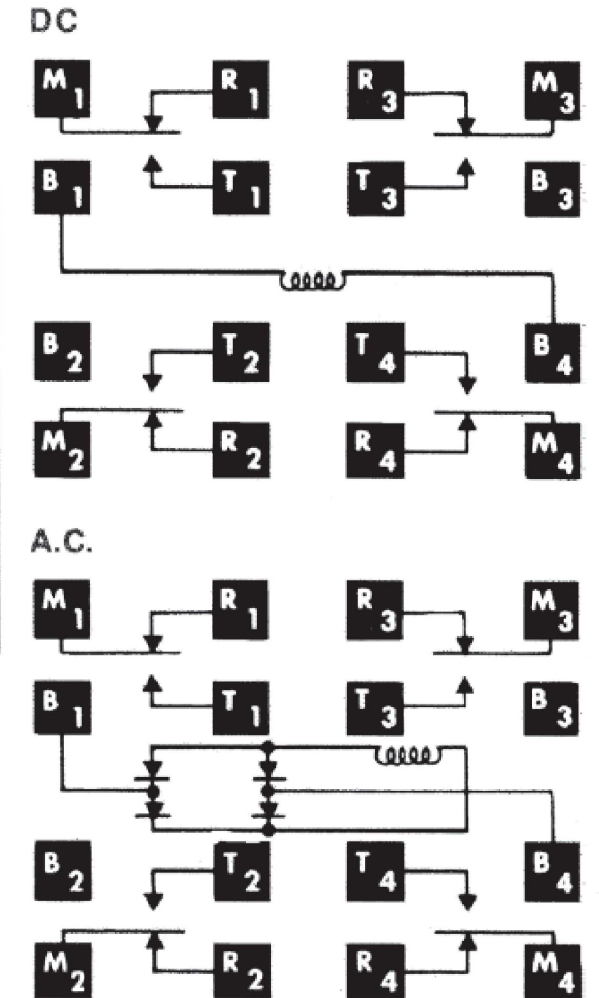
BASIC ASSEMBLY		
CODE	VOLTAGE	PART NO.
GPA	12 VDC	34002-01
GPAN	12 VDC W/BLOWOUT DEVICE	34002-07
GPB	24 VDC	34002-02
GPBN	24 VDC W/BLOWOUT DEVICE	34002-08
GPC	48 VDC	34002-03
GPCN	48 VDC W/BLOWOUT DEVICE	34002-09
GPD	125 VDC	34002-04
GPDN	125 VDC W/BLOWOUT DEVICE	34002-10
GPF	250 VDC	34002-05
GPFN	250 VDC W/BLOWOUT DEVICE	34002-11
GPK	140 VDC	34002-06
GPKN	140 VDC W/BLOWOUT DEVICE	34002-12
GPV	36 VDC	34002-13
GPVN	36 VDC W/BLOWOUT DEVICE	34002-14
GPE	110 VDC	34002-15
GPEN	110 VDC W/BLOWOUT DEVICE	34002-16
GPAA	12 VDC LOW LEVEL LOADS	51871-08
GPBA	24 VDC LOW LEVEL LOADS	51871-09
GPCA	48 VDC LOW LEVEL LOADS	51871-10
GPDA	110 VDC LOW LEVEL LOADS	51871-11
GPYA	6 VDC LOW LEVEL LOADS	51871-07

OPTIONS		
CODE R	CODE Q	CODE QR
COIL SUPPR ASS'Y P/N	IND. LIGHT ASS'Y P/N	COMBINATION ASS'Y P/N
34114-01	N/A	N/A
34114-01	N/A	N/A
34114-01	34113-05	34115-05
34114-01	34113-05	34115-05
34114-01	N/A	N/A
34114-01	N/A	N/A
34114-01	34113-01	34115-01
34114-01	34113-01	34115-01
34114-02	34113-02	34115-02
34114-02	34113-02	34115-02
34114-01	34113-01	34115-01
34114-01	34113-01	34115-01
34114-01	N/A	N/A
34114-01	N/A	N/A
34114-01	N/A	N/A
34114-01	N/A	N/A

ACCESSORIES		
CATALOG CODE	DESCRIPTION	PART NO.
CR0064	REAR CONNECTED SOCKET WITH O.C. TERMINAL	34140-01
CR0191	REAR CONNECTED SOCKET WITH SCREW TERMINAL	34140-02
CR0179	EXTRACTING HANDLE	34141-01
	MULTIPLE SOCKET	34058-01
	HARDWARE FOR MULTIPLE SOCKET	34065-01
CR0066	FRONT TERMINAL SOCKET WITH O.C. TERMINAL	34142-01
CR0067	FRONT TERMINAL SOCKET WITH SCREW TERMINAL	34142-02
	SURFACE MOUNTING SOCKET, PACKAGED	34071-01
CR0189	LOCKING SPRING KIT	34143-01
	LOCKING SPRING	34069-01
CR0070	LOCKING SPRING KIT	34144-01
	KEY PLUG	34072-01
CR0090	LOCKING SPRING KIT	34145-01
CR0091	DUAL REAR CONNECTED SOCKET, SOLDER TERMINAL	34146-01
CR0092	INTERLOCKING PINS, BAGGED (100)	34092-01
CR0095	SURFACE MOUNTING SOCKET, MODIFIED, PACKAGED	34095-01
CR0190	MAGNETIC BLOW OUT KIT	34093-01
CR0001	RELAY SOCKET KIT	34122-01
CR0002	RELAY SOCKET KIT	34121-01
CR0111	RETAINING SPRING KIT	34123-01
CR0188	ORIENTING PIN (SQUARE)	34007-01
CR0133	LOCKING SPRING KIT	34147-01
CR0155	LOCKING SPRING KIT	34148-01
CR0156	LOCKING SPRING KIT, HD	34217-01



Outline Dimensions



Wiring Diagrams (Bottom Views)

Ordering Information

Typical Part No. >

GP

I

N

1. Basic Series:  
 GP = Non-latching Control Relay      ML = Magnetic Latching Control Relay

2. Coil Voltage:  
 A = 12VDC      G = 24VAC, 60 Hz.  
 B = 24VDC      I = 120VAC, 60 Hz.  
 C = 48VDC      J = 220VAC, 60 Hz.  
 D = 125VDC  
 F = 250VDC

3. Options:  
 N = Magnetic Blow-out Device  
 Q = Light to indicate coil energization (GP only. 120VAC, 125VDC, 220VAC and 250VDC voltages only.)  
 R = Internal diode to suppress coil de-energization transient. (GP only. When used on DC unit, relay release time increases to same value as AC unit).

NOTES:

- OPTION "Q" AND OPTION COMBINATION "QR" ONLY AVAILABLE ON RELAYS WITH OPERATING VOLTAGES OF 24V & 120V OR GREATER.
- OUTLINE AND DIM. DWG. : SS-651.
- TEST PER TP-GPR-01.
- FOR DIELECTRIC TEST OF COILS SEE TP-GR-02.

ALL DIMENSIONS ARE IN INCHES[MM].

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	RV	06AUG2019	 TE Connectivity NAME GP SERIES, 10AMPS CONTROL RELAY
		CHK	RV	06AUG2019	
		APVD	DH	06AUG2019	
		PRODUCT SPEC			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:			APPLICATION SPEC
		0 PLC ± -			RESTRICTED TO
		1 PLC ± -			
MATERIAL		2 PLC ± -			SIZE
		3 PLC ± -			A3
		4 PLC ± -			CAGE CODE
		ANGLES ± -			-
		FINISH			DRAWING NO
					©=GP-SERIES
		WEIGHT			SCALE
					NTS
		CUSTOMER DRAWING			SHEET
					1 of 3
					REV
					A

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT - TE Connectivity Ltd.

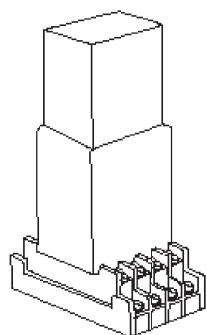
ALL RIGHTS RESERVED.

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

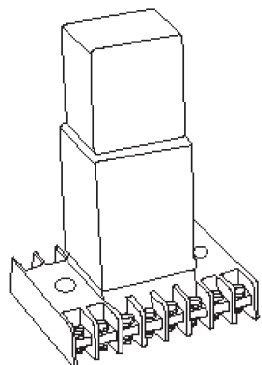
## Accessories for GP/ML/TR Series Control Relays

### Front Connected Sockets



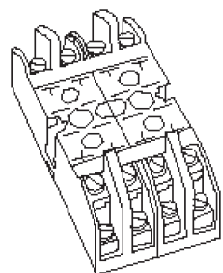
**Cat. No. CR0001**

With captive clamp terminals



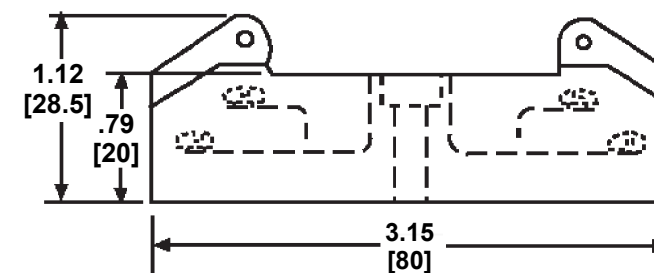
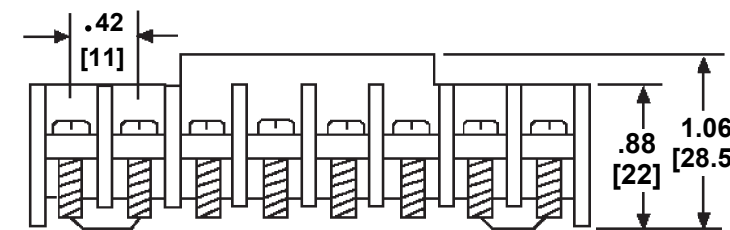
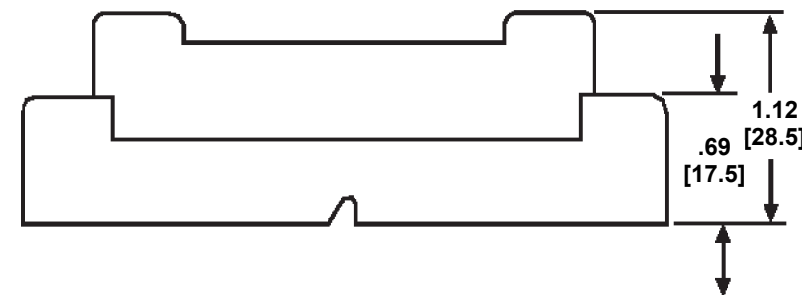
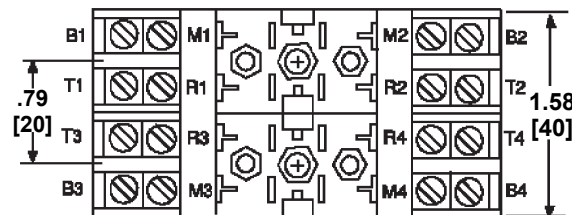
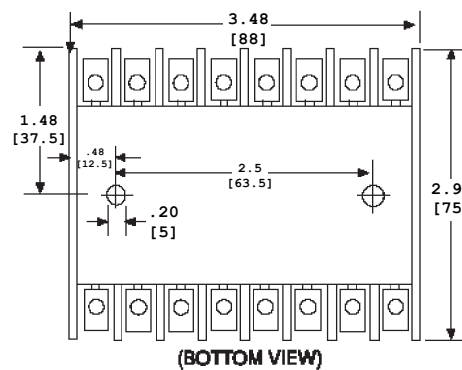
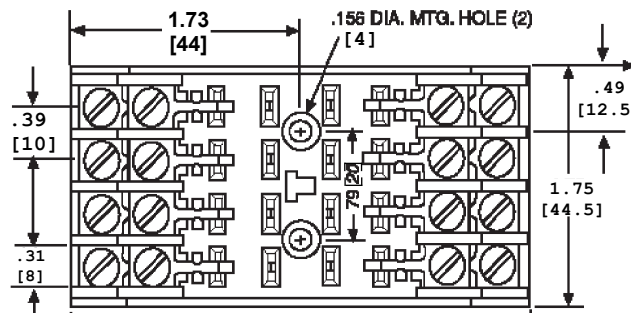
**Cat. No. CR0095**

With (#6) screw terminals



**Cat. No. CR0067**

With (#6) screw terminals



ALL DIMENSIONS ARE IN INCHES[MM].

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	RV	06AUG2019	 TE Connectivity	NAME		GP SERIES, 10AMPS CONTROL RELAY				
DIMENSIONS: INCHES		CHK	RV	06AUG2019		PRODUCT SPEC		-				
		APVD	DH	06AUG2019		APPLICATION SPEC		-				
TOLERANCES UNLESS OTHERWISE SPECIFIED:						WEIGHT		-				
MATERIAL					SIZE	A3	CAGE CODE	-	DRAWING NO	GP-SERIES	RESTRICTED TO	-
FINISH					CUSTOMER DRAWING		SCALE	NTS	SHEET	2 of 3	REV	A
0 PLC ± -												
1 PLC ± -												
2 PLC ± -												
3 PLC ± -												
4 PLC ± -												
ANGLES ± -												

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

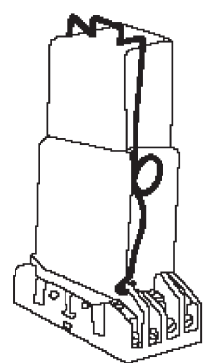
REVISIONS

© COPYRIGHT - TE Connectivity Ltd.

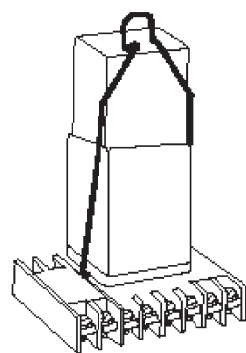
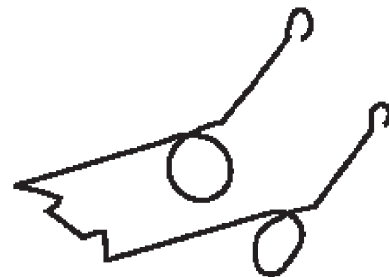
ALL RIGHTS RESERVED.

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

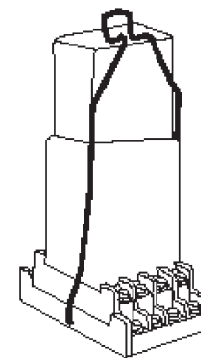
**Hold Down (Locking) Springs**



**Cat. No. CR0069**  
For socket: CR0067



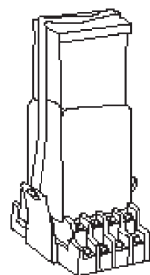
**Cat. No. CR0070**  
For socket: CR0095



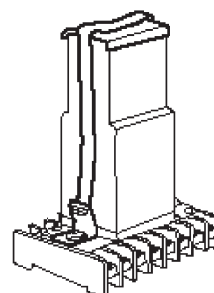
**Cat. No. CR0111**  
For sockets: CR0001 & CR0002



**Heavy-duty Hold Down (Locking) Straps**



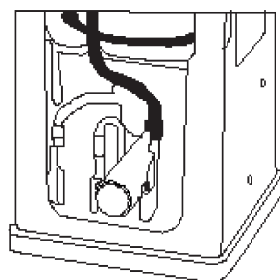
**\*Cat. No. CR0133**  
For socket: CR0001 & CR0002



**\*Cat. No. CR0155**  
For socket: CR0095

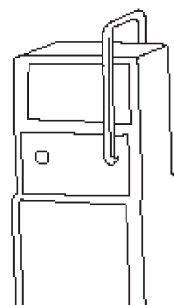
\* Catalog number includes strap, strap plate and necessary brackets.

**Magnetic Blowout Device**



**Cat. No. CR0190**  
Reduces arcing on the relay contacts when they make or break contact, either upon energizing or de-energizing, resulting in less contact degradation. Extends the life of the contact.

**Extracting Handle**



**Cat. No. CR0179**  
Used to remove GP, ML and TR units from mounting bases.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	RV	06AUG2019	TE Connectivity
		CHK	RV	06AUG2019	
		APVD	DH	06AUG2019	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC		NAME	
	0 PLC ± -	-		GP SERIES, 10AMPS CONTROL RELAY	
	1 PLC ± -	-		-	
	2 PLC ± -	APPLICATION SPEC		-	
	3 PLC ± -	-		SIZE	A3
	4 PLC ± -	-		CAGE CODE	-
	ANGLES ± -	-		DRAWING NO	GP-SERIES
	FINISH -	-		RESTRICTED TO	-
MATERIAL	-	WEIGHT		-	
-		CUSTOMER DRAWING		SCALE	NTS
				SHEET	3 of 3
				REV	A