

# Contactors & Overloads

## Overload Relays



### TeSys Model D

- Class 10A differential Bi-metallic thermal overload relay.

Part No.	For Use with Contactor LC1	Settings Range Amps
LRD05	D09 ... D38	0.63 ... 1.0
LRD06	D09 ... D38	1.0 ... 1.7
LRD07	D09 ... D38	1.6 ... 2.5
LRD08	D09 ... D38	2.5 ... 4.0
LRD10	D09 ... D38	4.0 ... 6.3
LRD12	D09 ... D38	5.5 ... 8.0
LRD14	D09 ... D38	7.0 ... 10.0
LRD16	D12 ... D38	9.0 ... 13.0
LRD21	D18 ... D38	12.0 ... 18.0
LRD22	D25 ... D38	16.0 ... 24.0
LRD32	D12 ... D38	23.0 ... 32.0
LRD35	D32 + D38	30.0 ... 38.0
LRD340	D40A ... D65A	30.0 ... 40.0
LRD350	D40A ... D65A	37.0 ... 50.0
LRD365	D50A ... D65A	48.0 ... 65.0
LRD3322	D80 + D95	17.0 ... 25.0
LRD3353	D80 + D95	23.0 ... 32.0
LRD3355	D80 + D95	30.0 ... 40.0
LRD3357	D80 + D95	37.0 ... 50.0
LRD3359	D80 + D95	48.0 ... 65.0
LRD3361	D80 + D95	55.0 ... 70.0
LRD3363	D80 + D95	63.0 ... 80.0
LRD3365	D80 + D95	80.0 ... 104.0

### TeSys Model K

- Class 10A differential Bi-metallic thermal overload relay.

Part No.	Settings Range Amps
LR2K0303	0.23 ... 0.36
LR2K0304	0.36 ... 0.54
LR2K03058	0.54 ... 0.8
LR2K0306	0.8 ... 1.2
LR2K0307	1.2 ... 1.8
LR2K0308	1.8 ... 2.6
LR2K0310	2.6 ... 65.0
LR2K0312	3.7 ... 70.0
LR2K0314	5.5 ... 80.0
LR2K0316	8.0 ... 104.0

### LRD Accessories

- Separate Mounting Base for overload relays.

Part No.	Contacts
LAD7B106	LRD01 ... LRD35
LAD73064	LRD33**

## Contactors



### TeSys Model K Contactors

3 Pole 6-12A/AC3 (Control coils included)  
See table below for AC coil or DC coil suffix.

Part No.	3Ph/400V (kW)	AC-3 (A)	Auxiliary	
			NO	NC
LC1K0601**	2.2	6	-	1
LC1K0610**	2.2	6	1	-
LC1K0901**	4	9	-	1
LC1K0910**	4	9	1	-
LC1K1201**	5.5	12	-	1
LC1K1210**	5.5	12	1	-

### K-Range Auxillary Blocks



Part No.	Contacts
LA1KN11	1 NO + 1 NC
LA1KN20	2 NO
LA1KN22	2 NO + 2 NC

### TeSys Model D Contactors

3 Pole 9-150A/AC3 (Control coils included)  
See table below for AC coil or DC coil suffix.

Part No.	3Ph/400V (kW)	AC-3 (A)	Auxiliary	
			NO	NC
LC1D09**	4	9	1	1
LC1D12**	5.5	12	1	1
LC1D18**	7.5	18	1	1
LC1D25**	11	25	1	1
LC1D32**	15	32	1	1
LC1D38**	18.5	38	1	1
LC1D40A	18.5	40	1	1
LC1D50A	22	50	1	1
LC1D65A	30	65	1	1
LC1D80**	37	80	1	1
LC1D95**	45	95	1	1
LC1D115**	55	115	1	1
LC1D150**	75	150	1	1

### D-Range Auxillary Blocks



Part No.	Contacts
LADN01	1 NC
LADN10	1 NO
LADN22	2 NO + 2 NC
LADN40	4 NO
LADN04	4 NC

Coil Voltages - Add the suffix below to the contactor reference to specify control voltage required.

Coil Ref (Last 2 Digits)	12	24	42	48	110	230	380	400
AC Supply	J7	B7	C7	E7	F7	P7	Q7	V7
DC Supply	JD	BD	FD					

## TeSys GV2 Motor Circuit Breakers

### GV2ME Thermal Magnetic Circuit Breakers

Part No.	400/415V (kW)	Current Settings
GV2ME01		0.1 - 0.16
GV2ME02	0.06	0.16 - 0.25
GV2ME03	0.09	0.25 - 0.4
GV2ME04	0.12	0.4 - 0.63
GV2ME05	0.25	0.63 - 1.0
GV2ME06	0.55	1.0 - 1.6
GV2ME07	0.75	1.6 - 2.5
GV2ME08	1.1	2.5 - 4.0
GV2ME10	2.2	4.0 - 6.3
GV2ME14	3.0	6.0 - 10.0
GV2ME14	4.0	6.0 - 10.0
GV2ME16	5.5	9.0 - 14.0
GV2ME20	7.5	13.0 - 18.0
GV2ME21	9.0	17.0 - 23.0
GV2ME22	11.0	20.0 - 25.0
GV2ME32	15.0	24.0 - 32.0

### GV2P Thermal Magnetic Circuit Breakers

Part No.	400/415V (kW)	Current Settings
GV2P01		0.1 - 0.16
GV2P02	0.06	0.16 - 0.25
GV2P03	0.09	0.25 - 0.4
GV2P04	0.12	0.4 - 0.63
GV2P05	0.25	0.63 - 1.0
GV2P06	0.55	1.0 - 1.6
GV2P07	0.75	1.6 - 2.5
GV2P08	1.1	2.5 - 4.0
GV2P10	2.2	4.0 - 6.3
GV2P14	3.0	6.0 - 10.0
GV2P20	7.5	13.0 - 18.0
GV2P21	9.0	17.0 - 23.0
GV2P22	11.0	20.0 - 25.0
GV2P32	15.0	24.0 - 32.0
GV3P40	18.5	30.0 - 40.0
GV3P50	22.0	37.0 - 50.0
GV3P65	30.0	48.0 - 65.0



### GV2 Auxilliary Blocks

Part No.	Types of Contacts	Position	Maximum No. Possible
GVAE1	1 NO or 1 NC (rev)	Front	1
GVAE11	1 NO & 1 NC	Front	1
GVAN11	1 NO & 1 NC	Side (LH)	2
GVAN20	1 NO & 1 NC	Side (LH)	2

## TeSys Model D DOL Starters



- IP65 DOL Polycarbonate Non-Reversing Starters.

Part No.	3Ph/400V (kW)	AC-3 (A)	Standard Voltages		
			110V	230V	400V
LE1D09**	4	9	F7	P7	V7
LE1D12**	5.5	12	F7	P7	V7
LE1D18**	7.5	18	F7	P7	V7
LE1D25**	11	25	F7	P7	V7
LE1D35**	15	35	F7	P7	V7

Thermal Overload LRD\*\* must be ordered separately.

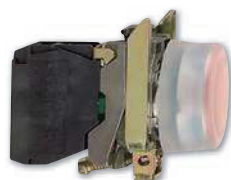


## IP65 Emergency Stop Stations

- Grey base with yellow lid.

Part No.	Description	Contact
XALK178	1 Red Mushroom Head Pushbutton 40mm dia Latching Twist to Release	1 NC
XALK188	1 Red Mushroom Head Pushbutton 40mm dia Latching Turn Key to Release	1 NC

## Pilot Devices - Harmony Style 4 (Metal)



### Complete Pushbuttons & Switches with Chromium Plated Metal Bezel

Part No.	Description	NO	NC
XB4BA21	(ZB4BZ101 + ZB4BA2) Black Pushbutton Head	1	-
XB4BA31	(ZB4BZ101 + ZB4BA3) Green Pushbutton Head	1	-
XB4BA42	(ZB4BZ102 + ZB4BA4) Red Pushbutton Head	-	1
XB4BA51	(ZB4BZ101 + ZB4BA5) Orange Pushbutton Head	1	-
XB4BA61	(ZB4BZ101 + ZB4BA6) Blue Pushbutton Head	1	-
XB4BD21	(ZB4BZ101 + ZB4BD2) 2 Position Stay Put Selector Switch	1	-
XB4BD25	(ZB4BZ105 + ZB4BD2) 2 Position Stay Put Selector Switch	1	1
XB4BD33	(ZB4BZ103 + ZB4BD3) 3 Position Stay Put Selector Switch	2	-
XB4BG21	(ZB4BZ101 + ZB4BG4) 2 Position Stay Put Key Switch	1	-
XB4BP31	(ZB4BZ101 + ZB4BP3) Green Pushbutton with Silicone Boot	1	-
XB4BP42	(ZB4BZ102 + ZB4BP4) Red Pushbutton with Silicone Boot	-	1
XB4BS9442	(ZB4BZ102 + ZB4BS944) Key Release 40mm E Stop	-	1
XB4BS8442	(ZB4BZ102 + ZB4BS844) Twist Release 40mm E Stop	-	1

### Pilot Lights with Metal Bezel

Part No.	Description
XB4BVM1	(ZB4BVM1 + ZB4BV013) White 230V AC LED Pilot Light
XB4BVM3	(ZB4BVM3 + ZB4BV033) Green 230V AC LED Pilot Light
XB4BVM4	(ZB4BVM4 + ZB4BV043) Red 230V AC LED Pilot Light
XB4BVM5	(ZB4BVM5 + ZB4BV053) Orange 230V AC LED Pilot Light
XB4BVM6	(ZB4BVM6 + ZB4BV063) Blue 230V AC LED Pilot Light
XB4BVB1	(ZB4BVB1 + ZB4BV013) White 24V AC/DC LED Pilot Light
XB4BVB3	(ZB4BVB3 + ZB4BV033) Green 24V AC/DC LED Pilot Light
XB4BVB4	(ZB4BVB4 + ZB4BV043) Red 24V AC/DC LED Pilot Light
XB4BVB5	(ZB4BVB5 + ZB4BV053) Orange 24V AC/DC LED Pilot Light
XB4BV61	(ZB4BV6 + ZB4BV01) White Direct Supply AC BA9 Pilot Light
XB4BV63	(ZB4BV6 + ZB4BV03) Green Direct Supply AC BA9 Pilot Light
XB4BV64	(ZB4BV6 + ZB4BV04) Red Direct Supply AC BA9 Pilot Light
XB4BV65	(ZB4BV6 + ZB4BV05) Orange Direct Supply AC BA9 Pilot Light