

Definite Purpose Contactors

3-pole

Type CGDP



- Definite Purpose Contactor
- Switching up to 40A inductive, 50A resistive
- Coils up to 575VAC, 50/60 Hz
- cRUus, CSA, CE, and RoHS
- Faston (standard) or box lug terminals
- Available configured as reversing definite purpose contactor
- Cost effective

Product Description

Power contactors specifically designed for the OEM when performance and cost must be optimized. Perfect choice for HVAC, lighting, pumps, compressors, pools, spas, welders, etc.

Available in standard 3-pole type or configured as a reversing definite purpose contactor.

Ordering Key **CGDPR 30 20 LN F 5**

Series	CGDPR
Pole Configuration	30
Amperage Rating	20
Power Terminals	LN
Coil Voltage	F
Coil Frequency	5
Auxiliary Contacts (optional)	
Accessories (optional)	

Type Selection

Series	Pole Configuration	Amperage Rating	Power Terminals
CGDP - Standard type	30: 3-pole	20: 20 A	Blank: Screw terminal, power and load side (standard)
CGDPR - Reversing type		25: 25 A	N: Without fast-on terminals
		30: 30 A	L: Lug terminal, power and load side
		40: 40 A	LN: Lug terminals without fast-on
			M: Power side screw, load side lug
Coil Voltage	Coil Frequency	Aux. Contacts (optional)	Accessories (optional)
B: 24 VAC	5: 50/60 Hz	Blank: No aux. contacts (standard)	Blank: With arc cover (standard)
F: 120 VAC		A: One 3A aux. (right side x1)	S: without arc plate
K: 208-240 VAC		B: Two 3A aux. (both sides x1)	T: with anti-dust plate
Y: 277 VAC		C: Three 3A aux. (right x2, left x1)	
Q: 480 VAC			
Z: 575 VAC			

Technical Specifications:

Catalogue Number	Standard (non-reversing) Type			CGDP-3020	CGDP3025	CGDP-3030	CGDP-3040
	Reversing Type			CGDPR-3020	CGDPR-3025	CGDPR-3030	CGDPR-3040
Rated Insulation Voltage (Ui) UL/IEC				600/660V	600/660V	600/660V	600/660V
Rated Operational Voltage (Ue) UL/IEC				600/660V	600/660V	600/660V	600/660V
Thermal Current (Ith) A				30	35	40	50
ARI 780/790	Full Load Amps (FLA) A			20	25	30	40
	Locked Rotor Amps (LRA) 240/277V			120	150	180	240
	480V			100	125	150	200
	600V			80	100	120	160
	Resistive Load Amps (RES)			30	35	40	50
UL508				HP/A	HP/A	HP/A	HP/A
	Full Load Amps (FLA)	Single Phase	120V	1.5 / 20	2 / 24	2 / 24	3 / 34
			240/277V	3/17	3/17	5/28	7.5 / 40
220V			20	25	30	40	
Full Load Amps							
380V			20	25	30	40	
AC 7a, AC 8a	Resistive Load Amps (RES) A			32	35	40	50

Coil Characteristics:

CGDP3020 to 3040, CGDPR3020 to 3040:

Voltage Frequency	24V 50/60Hz		120V 50/60Hz		208-240V 50/60Hz		277V 50/60Hz		480V 50/60Hz	575V 50/60Hz
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz at 220V	60 Hz at 240V	50 Hz	60 Hz	60 Hz	60Hz
Pick-up Voltage	Max. 80% of rated control voltage									
Drop-out Voltage	30 to 60% of rated control voltage									
Inrush VA	Max. 65									
Sealed VA	13.4	10.0	12.6	10.8	9.4	9.4	13.2	11.1	11.0	11.0
Sealed Watts	8.5	7.0	8.0	7.0	5.5	5.0	8.0	7.0	6.5	5.5

Environmental Data:

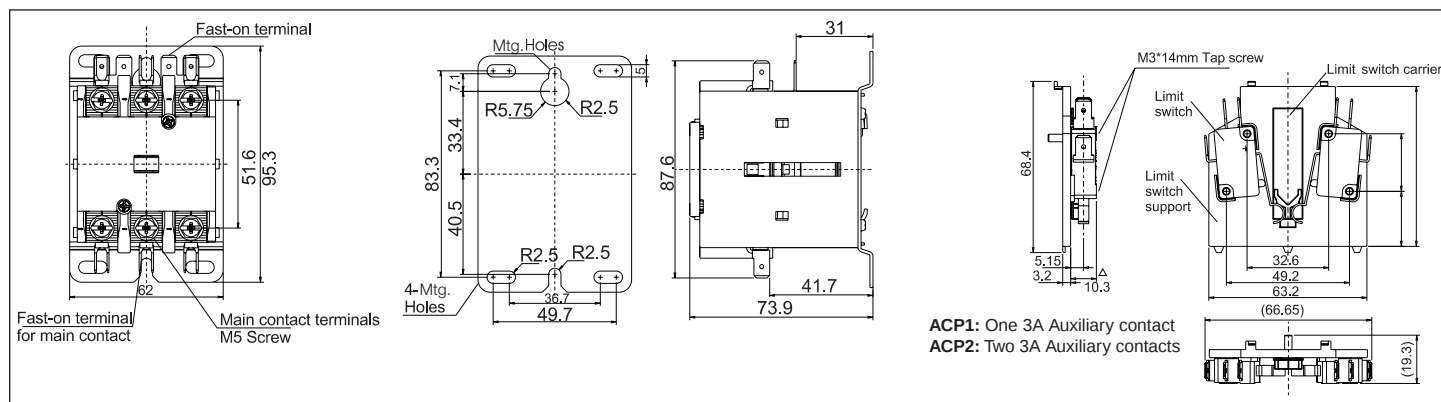
Temperature range: Storage and operating:
-10°C to +55°C

Mechanical Data:

Load Terminals:	M5 Screw with quad 0.250" fast-on connectors (standard) Box lug with quad 0.250" fast-on connectors (optional)
Tightening Torque:	25 in-lb
Wire Size:	14-4 AWG
Control Terminals:	Dual 0.250" fast-on connectors

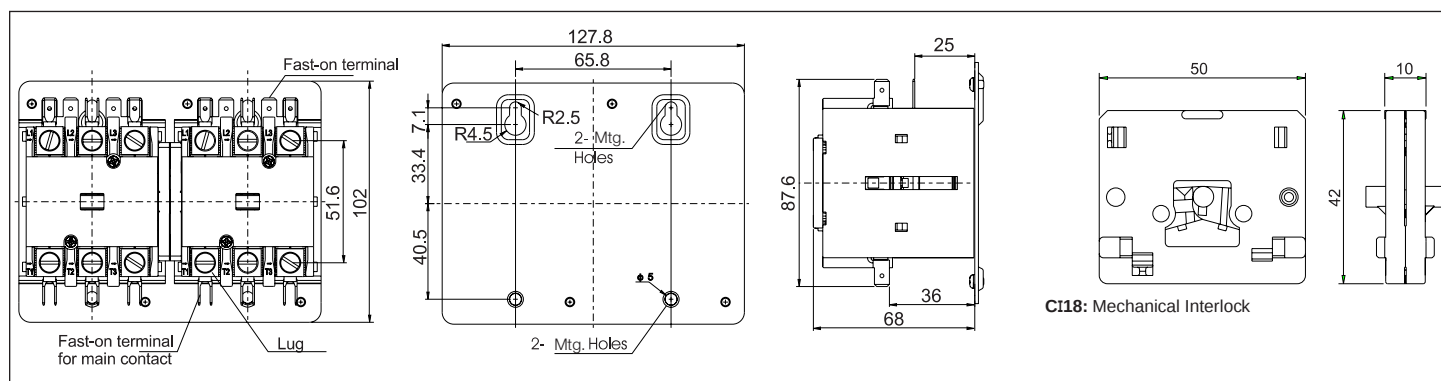
Dimensions:

In mm for models: CGDP3020 to 3040, optional ACP1, ACP2 aux. contacts



Dimensions:

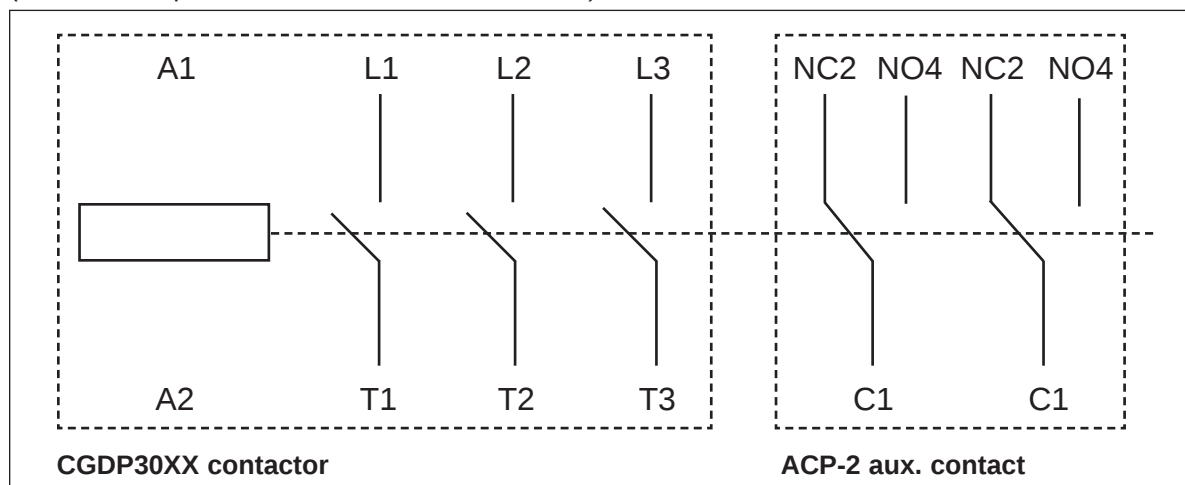
In mm for models: CGDPR3020 to 3040



Connection Diagram:

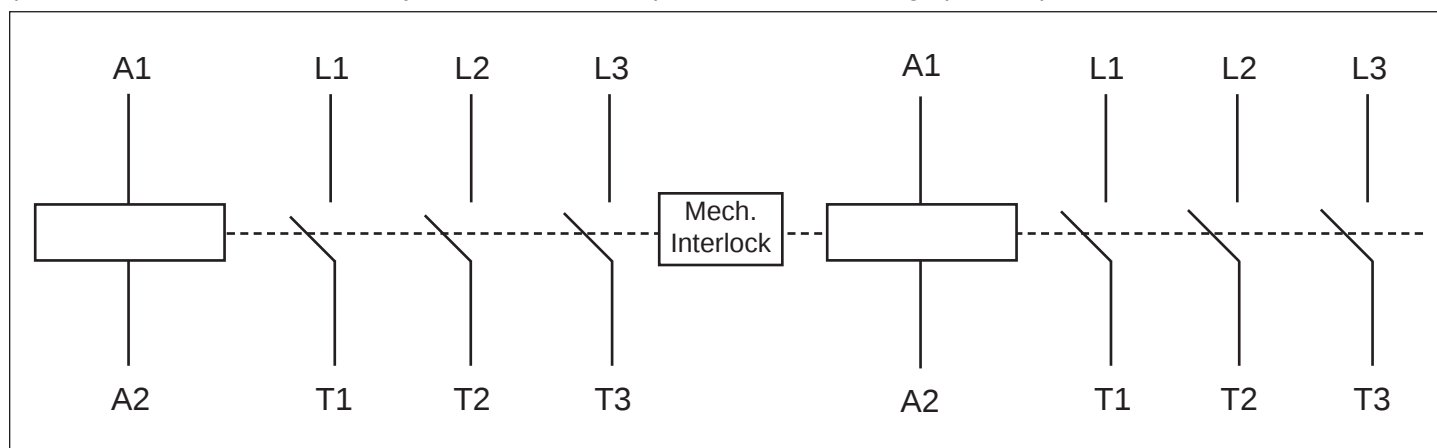
Three pole non-reversing CGDP30XX

(shown with optional ACP-2 aux contact installed)



Three pole reversing CGDPR30XX

(note: contactors are mechanically interlocked but not pre-wired for reversing operation)



Other Information:

Accessories:

Auxiliary contacts:

Single:

Dual:

Electrical rating:

Compliance:

ACP-1	1x SPDT	Form C
ACP-2	2x SPDT	Form C
3A		



Agency Approvals:

