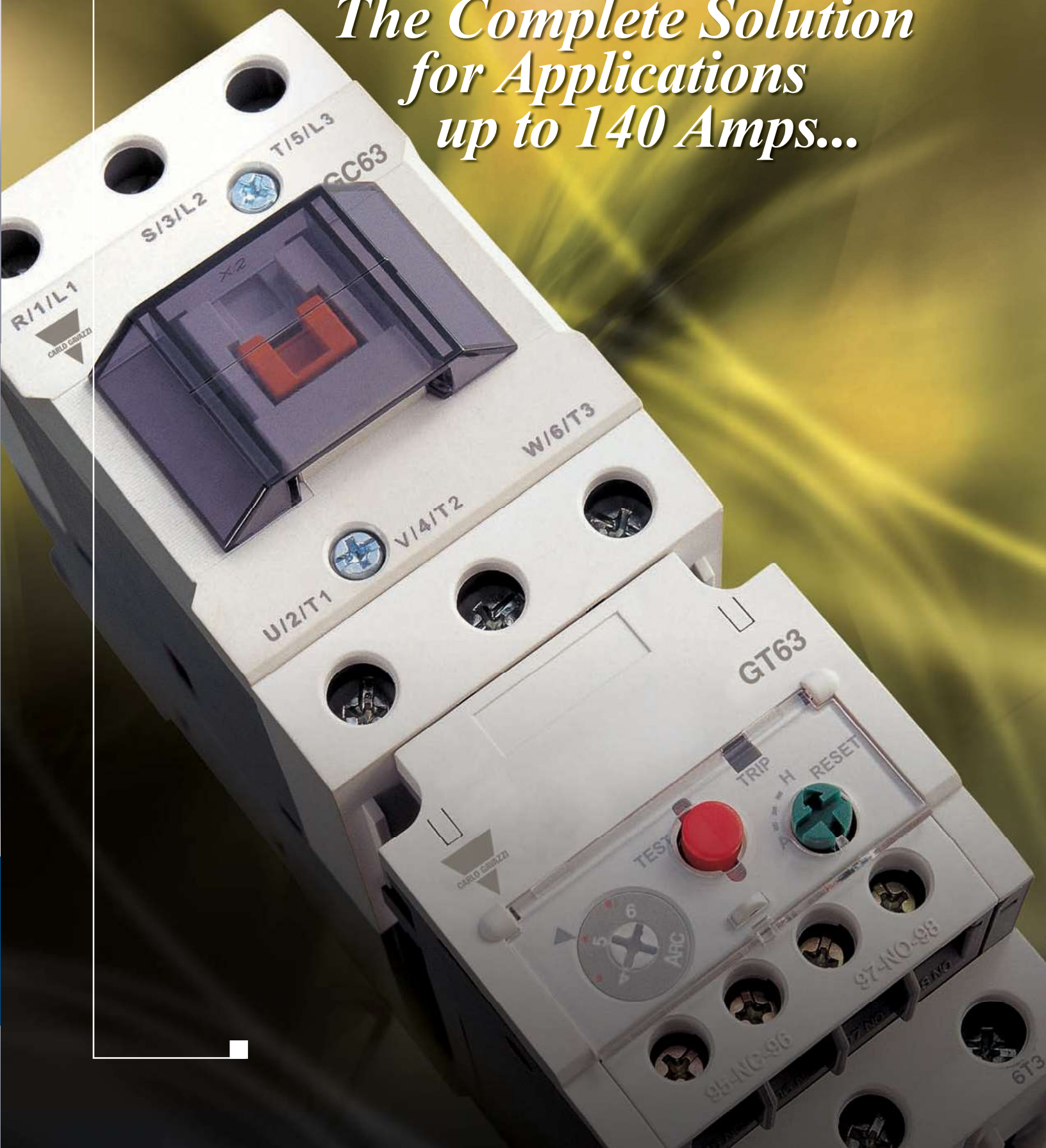


Midi-Contactors and Overloads

CARLO GAVAZZI

*The Complete Solution
for Applications
up to 140 Amps...*



Midi-Contactors and Overloads



General

- Four frame sizes
- Motor ratings of each frame size:
Up to 10, 25, 50 or 75HP
- Resistive ratings of each frame size:
Up to 25, 50, 75 or 140A
- AC or DC coil voltage
- Two connection types:
Screw terminal connections are available on all frame sizes
Lug terminal connections (line/load) are available on 63 and 95 amp frame sizes

Standards

- cUL, CSA with special elevator ratings, CE and RoHS

Convenience

- Captive screw terminals
- Four terminals for coil connection
- Easily interchangeable coils (in the event another coil voltage is required)
- Each contactor comes standard with a minimum of one NO or NC auxiliary contact. (See pages 10 and 11 for more details, as some of the larger contactors come standard with more auxiliary contacts)
- DIN rail or back panel mounting

Accessories

- Bimetallic overloads
- Manual motor starters
- Side or top mounted auxiliary contact(s)
- Interlock unit
- Reversing interlock kit
- Surge absorber unit
- Separate mounting unit for overloads
- Remote reset unit for overloads
- Direct adaptor bridge for manual motor starter and midi-contactor
- Mounting unit for manual motor starter, direct adaptor bridge and midi-contactor
- Capacitor unit



Ordering Guide

Midi-Contactor

GC	9		S	A	120		GT	12	S	0.16A
Magnetic 3-pole Midi-Contactor	Amperage Size	Application	Terminal Type	Coil Type	Coil Voltage	Built-in Auxiliary Contact Combination: Only on 9 & 12A Midi-Contactors	Bimetallic Midi-Overload	Frame Size	Terminal Type (Must match contactor terminal type)	Setting Ranges (Use upper limit in part number)
	9 - 9A 12 - 12A 18 - 18A 25 - 25A 32 - 32A 35 - 35A 40 - 40A 50 - 50A 63 - 63A 65 - 65A 75 - 75A 85 - 85A 95 - 95A	BLANK - Non-Reversing R - Reversing C - Capacitive	S - Screw L - Lug (≥35A)	A - AC D - DC	24 - 24V 120 - 120V } 480 - 480V See data sheet for more details	BLANK - 1NO 01 - 1NC The following sizes come standard with the auxiliary outputs listed below: <u>18, 25 & 32A:</u> 1NO & 1NC 35, 40, 50, 63, 65, 75, 85 & 95A: 2NO & 2NC See pages 10 & 11 for more details		12 - 9 & 12A 32 - 18, 25 & 32A 63 - 35, 40, 50 & 63A 95 - 65, 75, 85 & 95A	S - Screw L - Lug (≥35A)	0.1 ~ 0.16A 0.16 ~ 0.25A 0.25 ~ 0.4A 0.4 ~ 0.63A 0.63 ~ 1A 1 ~ 1.6A 1.6 ~ 2.5A 2.5 ~ 4A 4 ~ 6A 5 ~ 8A 6 ~ 9A 7 ~ 10A 9 ~ 13A 12 ~ 18A 16 ~ 22A 18 ~ 25A 22 ~ 32A 24 ~ 36A 28 ~ 40A 34 ~ 50A 45 ~ 65A 54 ~ 75A 63 ~ 85A 70 ~ 95A

(Setting Range Guide)

GT12
GT32
GT63
GT95

Midi-Contactors and Overloads



Frame Size Type

Available Output Terminal Type

UL & CSA Ratings



Continuous Current Ith	
Motor AC Single Phase	115V
	230V
Three Phase	230V
	460V
	575V

Rated Operational Current 440VAC Motor Load

CSA Elevator Ratings

Three Phase	200~600V
-------------	----------

IEC Ratings



Motor AC AC1	690 VAC max
Motor AC AC3	200~240V
	380~440V
	690V

Coil Voltages

AC Coil	VAC 60 Hz
	VAC 50 Hz
	VAC 50/60 Hz

Basic Dimensions

(W x H x D) mm	AC coil
	DC Coil

Accessories

Auxiliary Contacts	Standard
	Optional
	Mechanical/Electrical Interlock

Power Connectors for Reversing Contactors

Coil Surge Units	Varistor
	RC+Varistor
	RC

12AF		32AF		
GC9	GC12	GC18	GC25	GC32
3-Pole		3-Pole		
Screw Clamp Only		Screw Clamp Only		
25A	25A	40A	40A	50A
0.5HP	0.75HP	1HP	2HP	2HP
1.5HP	2HP	3HP	3HP	5HP
3HP	5HP	7.5HP	10HP	10HP
5HP	7.5HP	10HP	15HP	20HP
7.5HP	10HP	15HP	20HP	25HP
9A	12A	18A	25A	32A
Available in 2009		20A	20A	25A
25A	25A	40A	40A	50A
2.5 kW 11A	3.5 kW 13A	4.5 kW 18A	5.5 kW 25A	7.5 kW 32A
4 kW 9A	5.5 kW 12A	7.5 kW 18A	11 kW 25A	15 kW 32A
4 kW 5A	7.5 kW 9A	7.5 kW 9A	15 kW 18A	18.5 kW 20A
24, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600				
24, 42, 48, 100, 110, 220, 240, 380, 400, 415, 440, 500, 550				
24, 48, 120, 220, 230, 240, 380, 400, 415, 440, 500, 560				
12, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250				
45 x 74 x 82		45 x 83 x 93		
45 x 74 x 114		45 x 83 x 118		
1NO or 1NC		One Side Mount GUA1 (1NO and 1NC)		
Side Mount GUA1 (1NO/1NC) or Top Mount AX2 OR AX4				
GUR02*				
GUW12**		GUW32		
GUS11 (for 24~48 VAC or VDC coils),				
GUS1 (for 24~48 VAC coils), GUS2 (for 100~125 VAC coils),				



Thermal Overloads

Matching Manual Motor Starters

Type	
Rated Operational Current, Ie	
Rated Breaking Capacity, Icu	

Connecting Module

AC Coil Contactor	
DC Coil Contactor	

GT12		GT32	
Range		Range	
0.1~0.16A		0.1~0.16A	
9~13A		22~32A	
See page 9 for all ranges		See page 9 for all ranges	
GMS-32S	GMS-32H	GMS-32S	GMS-32H
0.1 ~ 32A	0.1 ~ 32A	0.1 ~ 32A	0.1 ~ 32A
8~100kA	20~100kA	8~100kA	20~100kA
GDA12SA**	GDA12HA**	GDA32SA	GDA32HA
GDA12SD**	GDA12HD**	GDA32SD	GDA32HD

* This is the interlock only, wiring kits are to be ordered separately

** Available in 2009



63AF				95AF			
GG35	GC40	GC50	GC63	GC65	GC75	GC85	GC95
3-Pole				3-Pole			
Screw Clamp or Lug				Screw Clamp or Lug			
55A	60A	70A	75A	100A	110A	135A	140A
2HP	3HP	3HP	5HP	5HP	5HP	7.5HP	10HP
5HP	7.5HP	10HP	10HP	15HP	15HP	15HP	20HP
15HP	20HP	25HP	25HP	30HP	30HP	40HP	40HP
25HP	30HP	40HP	40HP	50HP	50HP	60HP	75HP
30HP	40HP	50HP	50HP	60HP	60HP	75HP	75HP
35A	40A	50A	63A	65A	75A	85A	95A
30A	32.5A	37.5A	42A	55A	60A	70A	75A
55A	60A	70A	75A	100A	110A	135A	140A
11 kW 35A	11 kW 40A	15 kW 55A	15 kW 63A	18.5 kW 65A	22 kW 75A	25 kW 85A	25 kW 95A
18.5 kW 35A	18.5 kW 40A	22 kW 50A	25kW 63A	30 kW 65A	37 kW 75A	45 kW 85A	45 kW 95A
22 kW 21A	22 kW 23A	30 kW 28A	30 kW 30A	33 kW 35A	37 kW 42A	45 kW 45A	45 kW 50A
24, 48, 110, 120, 208, 220, 240, 277, 380, 440, 480, 600							
24, 42, 48, 100, 110, 220, 240, 380, 400, 415, 440, 500, 550							
24, 48, 120, 220, 230, 240, 380, 400, 415, 440, 500, 560							
12, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250							
55 x 106 x 122				70 x 140 x 137			
55 x 106 x 161				70 x 140 x 173			
Two Side Mount GUA1 (2NO and 2NC)							
Top Mount AX2 (2NO, 1NC/1NO or 2NC) or Top Mount AX4 (4NO, 3NO/1NC, 2NO/2NC, 1NO/3NC or 4NC)							
GUR02*							
GUW63				GUW95			
GUS12 (for 100~125 VAC or VDC coils), GUS13 (for 200~240 VAC or VDC coils), GUS14 (for 380~440 VAC coils)							
GUS3 (for 200~240 VAC coils), GUS4 (for 24~48 VDC coils), GUS5 (for 100~125 VDC coils), GUS6 (for 200~220 VDC coils)							
GUS22 (for 100~125 VAC coils)							



GT63	GT95
Range 4~6A 45~65A	Range 4~10A 70~95A
See page 9 for all ranges	See page 9 for all ranges
GMS-63S and GMS-63H 6~63A Max. 100kA	GMS-100S and GMS-100H 11~100 Max. 100kA
GDA63A GDA63D	GDA95A GDA95D

Midi-Contactors and Overloads

Accessories

- 1 **GC** Contactor
- 2 **GUA1** 1-pole Side Mount Auxiliary Contact Unit
(All types come standard with at least one auxiliary contact, see pages 10 and 11 for more details)
- 3 **Safety Cover** (included)
- 4 **GUS** Surge Unit
- 5 **GT** Overload Relay
- 6 **GUZ** Separate Mounting Unit for Overload
- 7 **AX2** 2-pole Top Mount Auxiliary Contact Unit
- 8 **AX4** 4-pole Top Mount Auxiliary Contact Unit
- 9 **GUM** Remote Reset Unit
- 10 **GUW** Wire Kit for Reversing Contactor
- 11 **GUR** Interlock Unit

