

Contactors & Overload Relays



- Mini AC contactors
- Mini contactor relays
- Standard AC contactors
- Thermal overload relays
- Electronic overload relays



MINI AC CONTACTORS

Features:

- »»» 3 pole mini contactors from 2.2kW/6A to 7.5kW/16A.
- »»» 45mm wide construction.
- »»» Complies with IEC/EN 60947 and AS/NZS 3947.4.1 standards.
- »»» 1NO or 1NC auxiliary contacts as standard.
- »»» Top / side mountable accessories.
- »»» Finger-proof terminal design.



3 Pole Contactors

TYPE		GMC-6M-(1)#	GMC-9M-(1)#	GMC-12M-(1)#	GMC-16M-(1)#
Ratings	AC1	20A	20A	20A	20A
AS/NZS 3947.4.1	AC3	2.2kW	4kW	5.5kW	7.5kW
380~440V		6A	9A	12A	16A

(1) Insert auxiliary code 10 for 1NO or 01 for 1NC

Add suffix from below for coil voltage

STANDARD AC COIL VOLTAGE CODES

#	B	F*	U	N*
	24V	110V	240V	415V

*Indent Item

THERMAL OVERLOAD RELAYS

Features:

- »»» Temperature compensated.
- »»» Single phase protection.
- »»» 1NO + 1NC trip contacts.
- »»» Manual / Automatic reset.



Thermal Overload Relays

TYPE : GTK-12M - *					
RANGE A	* SUFFIX	RANGE A	* SUFFIX	RANGE A	* SUFFIX
0.1 - 0.16	0.16	1 - 1.6	1.6	6 - 9	9
0.16 - 0.25	0.25	1.6 - 2.5	2.5	7 - 10	10
0.25 - 0.4	0.4	2.5 - 4	4	9 - 13	13
0.4 - 0.63	0.63	4 - 6	6	12 - 16	16
0.63 - 1	1	5 - 8	8		

MINI CONTACTOR RELAYS - AC OPERATED (4 POLE)

Features:

- »»» 45mm wide construction.
- »»» Finger-proof terminal design.
- »»» 16A continuous current, lth.



4 Pole Relays

TYPE		GMR-4M-40#	GMR-4M-22#	GMR-4M-04#
Ratings	lth	16A	16A	16A
Contact Arrangement (1)	NO	4	2	0
	NC	0	2	4

Add suffix for coil voltages: **U** - 240V AC (Other voltages available on request)

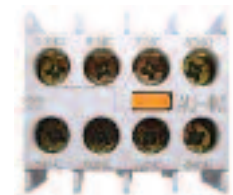
Note: Order AU-2M20 / AU-4M40 add-on auxiliary blocks for 6 / 8 pole

Add-on Auxiliaries

AUXILIARY CONTACTS

Part Number	Contacts		Mounting Position	For Contactor
	NO	NC		
AU-1M01	0	1	Side	GMC-6M to
AU-1M10	1	0		GMC-16M
AU-2M11	1	1		GMC-6M
AU-2M20	2	0	Top	to
AU-4M22	2	2		GMC-16M
AU-4M40	4	0		

For other contact combinations, please consult IPD



Overload Mount

SEPARATE MOUNTING UNIT

Part Number	For Overload
AZ-12H	GTK-12M



STANDARD AC CONTACTORS - 3 POLE

Features:

- »»» 3 pole contactors up to 440kW/800A.
- »»» Add on accessories.
- »»» Complies with IEC/EN 60947 and AS/NZS 3947.4.1 standards.
- »»» 1NO + 1NC aux contacts as standard up to 11kW.



3 Pole Contactors

TYPE		GMC-9-11#	GMC-12-11#	GMC-18-11#	GMC-22-11
Ratings	AC1	25A	25A	40A	40A
AS/NZS 3947.4.1	AC3	4kW	5.5kW	7.5kW	11kW
380~440V		9A	12A	18A	22A

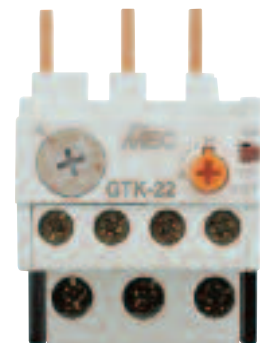
Add suffix from below for coil voltage

STANDARD AC COIL VOLTAGE CODES				
#	B	F	U	N
	24V	110V	240V	415V

THERMAL OVERLOAD RELAYS

Features:

- »»» Temperature compensated.
- »»» Single phase protection.
- »»» 1NO + 1NC trip contacts.
- »»» Manual / Automatic reset.



Thermal Overload Relays

TYPE : GTK-22 / 3 - * (GMC-9 to GMC-22)					
RANGE A	* SUFFIX	RANGE A	* SUFFIX	RANGE A	* SUFFIX
0.1 - 0.16	0.1	1 - 1.6	1	6 - 9	6
0.16 - 0.25	0.16	1.6 - 2.5	1.6	7 - 10	7
0.25 - 0.4	0.25	2.5 - 4	2.5	9 - 13	9
0.4 - 0.63	0.4	4 - 6	4	12 - 18	12
0.63 - 1	0.63	5 - 8	5	16 - 22	16

STANDARD AC CONTACTORS - 3 POLE

Features:

- ▶▶▶ 3 pole contactors up to 440kW/800A.
- ▶▶▶ Add on accessories.
- ▶▶▶ Complies with IEC/EN 60947 and AS/NZS 3947.4.1 standards.
- ▶▶▶ 2NO + 2NC aux contacts as standard above 11kW.



3 Pole Contactors

TYPE		GMC-32-22#	GMC-40-22#	GMC-50-22#	GMC-65-22#	GMC-75-22#	GMC-85-22#
Ratings	AC1	50A	60A	80A	100A	110A	135A
AS/NZS 3947.4.1	AC3	15kW	18.5kW	22kW	30kW	37kW	45kW
380~440V		32A	40A	50A	65A	75A	85A

Add suffix from below for coil voltage

STANDARD AC COIL VOLTAGE CODES

#	B	F	U	N
	24V	110V	240V	415V



Thermal Overload Relays

TYPE: GTK-40/3-* (GMC-32 to GMC-40)		TYPE: GTK-85/3-* (GMC-50 to GMC-85)	
RANGE A	* SUFFIX	RANGE A	* SUFFIX
4-6	4	7-10	7
5-8	5	9-13	9
6-9	6	12-18	12
7-10	7	16-22	16
9-13	9	18-26	18
12-18	12	24-36	24
16-22	16	28-40	28
18-26	18	34-50	34
24-36	24	45-65	45
28-40	28	54-75	54
		63-85	63

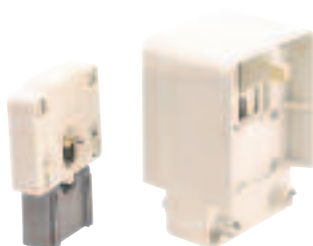
ACCESSORIES



ACCESSORIES TO SUIT STANDARD GMC CONTACTORS

Auxiliary Contacts

Part Number	Contacts		Mounting Position	For Contactor
	NO	NC		
AU-1	1	1	Side	GMC-9 to GMC-85
AU-100	1	1		GMC-100 to GMC-800
AU-220	2	0	Top	GMC-9 to GMC-85
AU-211	1	1		
AU-202	0	2		
AU-440	4	0		
AU-431	3	1		
AU-422	2	2		
AU-413	1	3		
AU-404	0	4		



MECHANICAL INTERLOCKS

Part Number	For Contactor
AR-9	GMC-9 to GMC-85
AR-100	GMC-100 to GMC-150
AR-180	GMC-180 to GMC-400

PNEUMATIC TIMER

Part Number	Delay	Time	Auxiliary	For Contactor
AT-1N	ON	0.1-30s	1NO + 1NC	GMC-9 to GMC-85
AT-2N		10-180s		
AT-1F	OFF	0.1-30s		
AT-2F		10-180s		

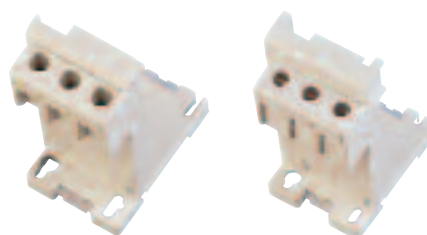


MECHANICAL LATCH (240V)

Part Number	For Contactor
AL-9	GMC-9 to 40
AL-50	GMC-50 to 85

SEPARATE MOUNTING UNIT

Part Number	For Overload
AZ-22H	GTK-22
AZ-40H	GTK-40
AZ-85H	GTK-85



STANDARD AC CONTACTORS - 3 POLE

Features:

- »»» 3 pole contactors up to 440kW/800A.
- »»» Add on accessories.
- »»» Complies with IEC/EN 60947 and AS/NZS 3947.4.1 standards.
- »»» 2NO + 2NC aux contacts as standard above 11kW.



3 Pole Contactors

TYPE		GMC-125#	GMC-150#	GMC-180#	GMC-220#
Ratings	AC1	150A	200A	230A	260A
	AC3	60kW	75kW	90kW	132kW
		120A	150A	180A	250A

Add suffix from below for coil voltage

STANDARD AC/DC COIL VOLTAGE CODES		
#	UU	N
	100-240V	415V

Thermal Overload Relays

GTK-100/3-* (GMC-125 Contactor)		GTK-150/3-* (GMC-150 Contactor)	
RANGE	* SUFFIX	RANGE	* SUFFIX
34-50	34	34-50	34
39-57	39	39-57	39
43-65	43	43-65	43
54-80	54	54-80	54
65-100	65	65-100	65
85-125	85	85-125	85
		100-150	100

(Thermal overload relays for GMC-180,220 contactors available on request)



ELECTRONIC OVERLOAD RELAYS

Features:

- »» Reduces inventory requirements, only 4 units with adjustable current range from 1A to 22A & 4A to 40A.
- »» Adjustable trip time (trip class 5 - 10 - 15 - 20 - 30).
- »» Direct mounting on contactor.
- »» Includes trip contacts - 1NO + 1NC.
- »» Visible trip indication LED.
- »» Auxiliary voltage supply 100 - 260 Volt AC.

Protection Features:

- »» Over current protection.
- »» Loss of Phase.
- »» Locked Rotor.
- »» Phase Imbalance.



Electronic Overload Relays

Part Number	Current setting range (A)	To suit Contactor
GMP22-3P-5	1A to 5A	GMC-9 to GMC -22
GMP22-3P-22	4.4A to 22A	GMC-9 to GMC -22
GMP40-3P-20	4A to 20A	GMC-32 to GMC -40
GMP40-3P-40	8A to 40A	GMC-32 to GMC -40

Features:

- »» Insulated enclosure to IP40.
- »» Compact with generous wiring space.

Enclosed DOL Motor Starters

Part Number	AC3 kW/A	Control Voltage
GMW-12MB-240VAC	5.5/12	240V AC
GMW-12MB-415VAC	5.5/12	415V AC
GMW-18MB-240VAC	7.5/18	240V AC
GMW-18MB-415VAC	7.5/18	415V AC
GMW-22MB-240VAC	11/22	240V AC
GMW-22MB-415VAC	11/22	415V AC

Thermal Overload relay not included. Use GTK-22 series.



National Customer Support Centre

Tel: 1300 556 601 Fax: 1300 550 187 www.ipdgroup.com.au



Quality Endorsed Company

AS/NZS 9001:2000
QEC 0228