

# ENCLOSED DISCONNECT SWITCHES



 **Lovato**  
**electric**

ENERGY AND AUTOMATION



## APPLICATION AREAS

Automatic car washing equipment



### Pumps

Fans, dryers, water purification systems, waterworks, etc.



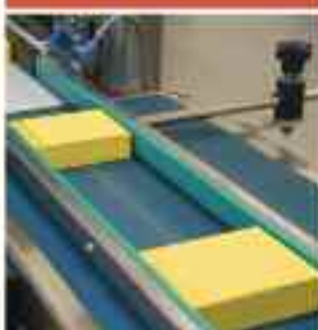
### Fans

Fans for air conditioning, refrigeration systems, compressors.



### Packaging

Automatic and semi-automatic packaging machines for cartons, plastic bags or cases or with cellophane, etc.



### Conveyance machinery

Product conveyor belts for warehouses, trade businesses, etc.

### Food processing industry

Machinery for bread, bakery and fresh pasta, confectionery equipment, mixers and blenders, flour and liquid dispensing equipment, etc.



# Enclosed Disconnect Switches

GA series, Non-Fused, 16A to 125A  
Disconnect switches in plastic enclosure

## UL/CSA, Type 4/4X in plastic enclosure with non-fused disconnect switch



GAZ016...GAZ040...UL



GAZ063 SA UL



GAZ063 UL - GAZ125 UL

### UL/CSA ratings

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC [A]	Short-circuit rating at 600VAC [kA]	Fuse class - max rating at 600V Type - [A]
	120V	240V	200-208V	240V	480V	600V			
GAZ016...	1	2	5	5	10	10	16	5	RK5 - 20A
GAZ025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GAZ032...	2	5	10	10	20	20	32	5	RK5 - 35A
GAZ040...	2	5	10	15	20	25	40	5	RK5 - 45A
GAZ063S...	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above ratings are valid for GAZ016 - GAZ063S...UL types, according to UL508 and CSA 22.2 n°14.  
UL Listed for USA and Canada (cULus - File E93602), as Manual Motor Controllers while UL designation is "GENERAL PURPOSE SWITCH. INTERRUPTEUR USAGE GENERAL" and "SUITABLE AS MOTOR DISCONNECT".

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC [A]	Short-circuit rating at 600VAC [kA]	Max fuse rating at 600V [A]
	120V	240V	200-208V <sup>Ⓢ</sup>	240V	480V	600V			
GAZ063C...	3	7½	20	20	40	40	60	10	100
GAZ080...	3	10	25	25	40	40	100	10	100
GAZ100...	5	10	30	30	50	50	100	10	100
GAZ125...	7½	10	30	30	60	60	100	10	100

NOTE: Above ratings are valid for GAZ063C - GAZ125... types, according to UL98 and CSA C22.2 n°4.  
For indication and reference purposes only while cCSAus is pending.

Ⓢ Lower ratings in this same UL/CSA category are available on specific request for volume orders.  
For information, consult Technical support.

Ⓢ Voltage value not considered in UL98 / CSA 22.2 n°4 standards.

Order code	General purpose current ratings	Qty per pkg	Wt
	[A]	n°	[kg]

THREE-POLE. With red/yellow handle.  
According to UL60947-4-1 and UL98.

GAZ016 UL	16	1	0.450
GAZ025 UL	25	1	0.450
GAZ032 UL	32	1	0.450
GAZ040 UL	40	1	0.450
GAZ063 SA UL	63	1	0.870
GAZ063 UL	63	1	1.220
GAZ080 UL	80	1	2.220
GAZ100 UL	100	1	2.220
GAZ125 UL	125	1	2.220

THREE-POLE. With black handle.  
According to UL60947-4-1 and UL98.

GAZ016 B UL	16	1	0.450
GAZ025 B UL	25	1	0.450
GAZ032 B UL	32	1	0.450
GAZ040 B UL	40	1	0.450
GAZ063 SAB UL	63	1	0.870
GAZ063 B UL	63	1	1.220
GAZ080 B UL	80	1	2.220
GAZ100 B UL	100	1	2.220
GAZ125 B UL	125	1	2.220

FOUR-POLE. With red/yellow handle.  
According to UL60947-4-1 and UL98.

GAZ016 T4 UL	16	1	0.550
GAZ032 T4 UL	32	1	0.550
GAZ063 T4 UL	63	1	1.150
GAZ100 T4 UL	100	1	2.500
GAZ125 T4 UL	125	1	2.500

FOUR-POLE. With black handle.  
According to UL60947-4-1 and UL98.

GAZ016 T4B UL	16	1	0.550
GAZ032 T4B UL	32	1	0.550
GAZ063 T4B UL	63	1	1.150
GAZ100 T4B UL	100	1	2.500
GAZ125 T4B UL	125	1	2.500

## Components

Enclosure	Disconnect switch	Handle
GAZ1 UL	GA016 A	GAX61
GAZ1 UL	GA025 A	GAX61
GAZ1 UL	GA032 A	GAX61
GAZ1 UL	GA040 A	GAX61
GAZ2 UL	GA063 SA	GAX61
GAZ3 ①	GA063 A	GAX61
GAZ3 ①	GA080 A	GAX61
GAZ3 ①	GA100 A	GAX61
GAZ3 ①	GA125 A	GAX61

GAZ1 B UL	GA016 A	GAX61 B
GAZ1 B UL	GA025 A	GAX61 B
GAZ1 B UL	GA032 A	GAX61 B
GAZ1 B UL	GA040 A	GAX61 B
GAZ2 B UL	GA063 SA	GAX61 B
GAZ3 B ①	GA063 A	GAX61 B
GAZ3 B ①	GA080 A	GAX61 B
GAZ3 B ①	GA100 A	GAX61 B
GAZ3 B ①	GA125 A	GAX61 B

Enclosure	Disconnect switch	4th pole	Handle
GAZ1 UL	GA016 A	GAX42040A	GAX61
GAZ1 UL	GA032 A	GAX42040A	GAX61
GAZ3 ①	GA063 A	GAX42063A	GAX61
GAZ3 ①	GA100 A	GAX42100A	GAX61
GAZ3 ①	GA125 A	GAX42125A	GAX61

GAZ1 B UL	GA016 A	GAX42040A	GAX61 B
GAZ1 B UL	GA032 A	GAX42040A	GAX61 B
GAZ3 B ①	GA063 A	GAX42063A	GAX61 B
GAZ3 B ①	GA100 A	GAX42100A	GAX61 B
GAZ3 B ①	GA125 A	GAX42125A	GAX61 B

① For major details contact our Technical support.

## General characteristics

- Enclosure material: Polycarbonate
- For four-pole types not indicated, separately purchase corresponding fourth pole GAX4...A and install on enclosed 3-pole UL-suffix version
- Possible accessories to mount afterwards, if any required:
  - GAX30 to provide shielded cable connection continuity (e.g. with static converters)
  - GAZ016...GAZ040...: 1 contact block both on the right and left disconnector side unless 4th pole is installed
  - Other types: 2 contact blocks both on the right and left disconnector side unless 4th pole is installed
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
  - GAZ016...GAZ040...UL and GAZ1...UL: 1.3Nm/16lbin
  - Other types: 1.5Nm/13lbin
- Degree of protection: IP65; UL/CSA Type 4/4X
- Cable entry:
  - GAZ016...GAZ040...UL and GAZ1...UL types: PG16/M25 and PG13.5/M20 knockouts
  - GAZ063SA...UL and GAZ2...UL types: PG16/M25 and PG29/M32 knockouts
  - GAZ063...GAZ125...UL types: Smooth surfaces; can be drilled by customer.

## Certifications and compliance

Certifications obtained: EAC for all; cULus for GAZ016...GAZ125...UL, GAZ1...UL and GAZ2...UL types.  
Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1, UL60947-4-1 and CSA C22.2 n°60947-4-1 (up to GAZ063SA...), UL98 and CSA C22.2 n°4 (for all others).

# Enclosed Disconnect Switches

GA series, Non-Fused, 16A to 100A

Disconnect switches in metal and stainless steel enclosure

## UL/CSA, Type 4 in metal enclosure with non-fused disconnect switch



GAZM040 B UL



GAZM100 B UL

**new**

**new**

Order code	General purpose current ratings	Qty per pkg
	[A]	n°

THREE-POLE. With red/yellow handle.  
According to UL60947-4-1.

GAZM016 UL	16	1
GAZM025 UL	25	1
GAZM032 UL	32	1
GAZM040 UL	40	1
GAZM063 SA UL	63	1

According to UL98.

GAZM030 UL	30	1
GAZM063 UL	63	1
GAZM080 UL	80	1
GAZM100 UL	100	1

THREE-POLE. With black handle.  
According to UL60947-4-1.

GAZM016 B UL	16	1
GAZM025 B UL	25	1
GAZM032 B UL	32	1
GAZM040 B UL	40	1
GAZM063 SAB UL	63	1

According to UL98.

GAZM030 BUL	30	1
GAZM063 B UL	63	1
GAZM080 B UL	80	1
GAZM100 B UL	100	1

## Components

Enclosure dimensions	Disconnect switch	Handle
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### H x W x D

6" x 6" x 4"	GA016 A	GAX64
6" x 6" x 4"	GA025 A	GAX64
6" x 6" x 4"	GA032 A	GAX64
6" x 6" x 4"	GA040 A	GAX64
6" x 6" x 4"	GA063 SA	GAX64

10" x 8" x 6"	GA030 A	GAX66 N
10" x 8" x 6"	GA063 A	GAX66 N
10" x 8" x 6"	GA080 A	GAX66 N
10" x 8" x 6"	GA100 A	GAX66 N

6" x 6" x 4"	GA016 A	GAX64 B
6" x 6" x 4"	GA025 A	GAX64 B
6" x 6" x 4"	GA032 A	GAX64 B
6" x 6" x 4"	GA040 A	GAX64 B
6" x 6" x 4"	GA063 SA	GAX64 B

10" x 8" x 6"	GA030 A	GAX66 NB
10" x 8" x 6"	GA063 A	GAX66 NB
10" x 8" x 6"	GA080 A	GAX66 NB
10" x 8" x 6"	GA100 A	GAX66 NB

## General characteristics

- Painted sheet steel enclosure
- Padlockable and defeatable handle
- Front door closing with latch
- Degree of protection: Type 4
- Cable entry: smooth surfaces; can be drilled by customer.

## Certifications

Certifications obtained: UL.

## UL/CSA ratings

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Fuse class - max rating at 600V
	120V	240V	200-208V	240V	480V	600V			
GAZ016...	1	2	5	5	10	10	16	5	RK5 - 20A
GAZ025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GAZ032...	2	5	10	10	20	20	32	5	RK5 - 35A
GAZ040...	2	5	10	15	20	25	40	5	RK5 - 45A
GAZ063S...	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above ratings are valid for GAZ016 - GAZ063S...UL types, according to UL508 and CSA 22.2 n°14.  
UL Listed for USA and Canada (cULus - File E93602), as Manual Motor Controllers while UL designation is "GENERAL PURPOSE SWITCH. INTERRUPTEUR USAGE GENERAL" and "SUITABLE AS MOTOR DISCONNECT".

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Max fuse rating at 600V
	120V	240V	200-208V <sup>Ⓜ</sup>	240V	480V	600V			
GAZ063C...	3	7½	20	20	40	40	60	10	100
GAZ080...	3	10	25	25	40	40	100	10	100
GAZ100...	5	10	30	30	50	50	100	10	100
GAZ125...	7½	10	30	30	60	60	100	10	100

NOTE: Above ratings are valid for GAZ063C - GAZ125... types, according to UL98 and CSA C22.2 n°4.  
For indication and reference purposes only while cCSAus is pending.

Ⓜ Lower ratings in this same UL/CSA category are available on specific request for volume orders.  
For information, consult Technical support.

Ⓜ Voltage value not considered in UL98 / CSA 22.2 n°4 standards.



GAZM040 B UL



GAZM100 B UL

# Enclosed Disconnect Switches

GA series, Non-Fused, 16A to 100A

Disconnect switches in metal and stainless steel enclosure

## UL/CSA, Type 4X in stainless steel enclosure



GAZS040 B UL



GAZS100 B UL

**new**

**new**

Order code	General purpose current ratings	Qty per pkg
	[A]	n°

THREE-POLE. With red/yellow handle.  
According to UL60947-4-1.

GAZS016 UL	16	1
GAZS025 UL	25	1
GAZS032 UL	32	1
GAZS040 UL	40	1
GAZS063 SA UL	63	1

According to UL98.

GAZS030 UL	30	1
GAZS063 UL	63	1
GAZS080 UL	80	1
GAZS100 UL	100	1

THREE-POLE. With black handle.  
According to UL60947-4-1.

GAZS016 B UL	16	1
GAZS025 B UL	25	1
GAZS032 BUL	32	1
GAZS040 B UL	40	1
GAZS063 SAB UL	63	1

According to UL98.

GAZS030 BUL	30	1
GAZS063 B UL	63	1
GAZS080 UL	80	1
GAZS100 B UL	100	1

## Components

Enclosure dimensions	Disconnect switch	Handle
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H x W x D

6" x 6" x 4"	GA016 A	GAX64
6" x 6" x 4"	GA025 A	GAX64
6" x 6" x 4"	GA032 A	GAX64
6" x 6" x 4"	GA040 A	GAX64
6" x 6" x 4"	GA063 SA	GAX64

10" x 8" x 6"	GA030 A	GAX66 N
10" x 8" x 6"	GA063 A	GAX66 N
10" x 8" x 6"	GA080 A	GAX66 N
10" x 8" x 6"	GA100 A	GAX66 N

6" x 6" x 4"	GA016 A	GAX64 B
6" x 6" x 4"	GA025 A	GAX64 B
6" x 6" x 4"	GA032 A	GAX64 B
6" x 6" x 4"	GA040 A	GAX64 B
6" x 6" x 4"	GA063 SA	GAX64 B

10" x 8" x 6"	GA030 A	GAX66 NB
10" x 8" x 6"	GA063 A	GAX66 NB
10" x 8" x 6"	GA080 A	GAX66 NB
10" x 8" x 6"	GA100 A	GAX66 NB

## General characteristics

- AISI 304 stainless steel enclosure
- Padlockable and defeatable handle
- Front door closing with latch
- Degree of protection: Type 4X
- Cable entry: smooth surfaces; can be drilled by customer.

## Certifications

Certifications obtained: UL.



GAZS040 B UL



GAZS100 B UL

## UL/CSA ratings

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC [A]	Short-circuit rating at 600VAC [kA]	Fuse class - max rating at 600V Type - [A]
	120V	240V	200-208V	240V	480V	600V			
GAZ016...	1	2	5	5	10	10	16	5	RK5 - 20A
GAZ025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GAZ032...	2	5	10	10	20	20	32	5	RK5 - 35A
GAZ040...	2	5	10	15	20	25	40	5	RK5 - 45A
GAZ063S...	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above ratings are valid for GAZ016 - GAZ063S...UL types, according to UL508 and CSA 22.2 n°14.  
UL Listed for USA and Canada (cULus - File E93602), as Manual Motor Controllers while UL designation is "GENERAL PURPOSE SWITCH. INTERRUPTEUR USAGE GENERAL" and "SUITABLE AS MOTOR DISCONNECT.

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC [A]	Short-circuit rating at 600VAC [kA]	Max fuse rating at 600V [A]
	120V	240V	200-208V <sup>②</sup>	240V	480V	600V			
GAZ063C...	3	7½	20	20	40	40	60	10	100
GAZ080...	3	10	25	25	40	40	100	10	100
GAZ100...	5	10	30	30	50	50	100	10	100
GAZ125...	7½	10	30	30	60	60	100	10	100

NOTE: Above ratings are valid for GAZ063C - GAZ125... types, according to UL98 and CSA C22.2 n°4.  
For indication and reference purposes only while cCSAus is pending.

- ① Lower ratings in this same UL/CSA category are available on specific request for volume orders.  
For information, consult Technical support.
- ② Voltage value not considered in UL98 / CSA 22.2 n°4 standards.

# Enclosed disconnect switches

GL series, non-fused, 200A to 400A

Disconnect switches in metal and stainless steel enclosure

## UL/CSA, Type 4 in metal enclosure with non-fused disconnect switch



GLZM0200 B UL

**new**

Order code	General purpose current ratings	Qty per pkg
	[A]	n°

THREE-POLE. With red/yellow handle.  
According to UL98.

<b>GLZM200 UL</b>	200	1
<b>GLZM400 UL</b>	400	1

THREE-POLE. With black handle.  
According to UL98.

<b>GLZM200 B UL</b>	200	1
<b>GLZM400 B UL</b>	400	1

### Components

Enclosure dimensions	Disconnect switch	Handle
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H x W x D

20" x 16" x 8"	GL0200 C1UL	GLX61
40" x 24" x 12"	GL0400 C1UL	GLX62

20" x 16" x 8"	GL0200 C1UL	GLX61 B
40" x 24" x 12"	GL0400 C1UL	GLX62 B

### General characteristics

- Painted sheet steel enclosure
- Padlockable and defeatable handle
- Front door closing with latch
- Degree of protection: Type 4
- Cable entry: smooth surfaces; can be drilled by customer
- Terminal lugs.

### Certifications

Certifications obtained: UL.



GLZM0200 B UL

### TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

TYPE			GL0200C1UL				GL0400C1UL		
	3-pole	—	GLX420200UL	—	—	—	GLX420400UL	—	—
	4-pole	—		—	—	—		—	—
Compliance		—	UL98 CSA C22.2 N°4	—	—	—	UL98 CSA C22.2 N°4	—	—
General purpose current ratings	A	—	200	—	—	—	400	—	—
Maximum operating voltage	V	—	600	—	—	—	600	—	—
Horsepower ratings /motor FLA current three-phase									
	240V	HP/A	75/192	—	—	—	125/312	—	—
	480V	HP/A	150/180	—	—	—	250/302	—	—
	600V	HP/A	200/192	—	—	—	350/336	—	—
Short circuit rating	KA rms	—	200	—	—	—	100	—	—
With fuse	class/A	—	J/200	—	—	—	J/400	—	—
Terminal kit lugs		—	GLX500-GLX501	—	—	—	GLX502-GLX503	—	—
Minimum enclosure dimensions at rated current	mm (in)	—	400 x 250 x 150 (15.8 x 9.9 x 5.9)	—	—	—	950 x 350 x 200 (37.4 x 13.8 x 7.9)	—	—

# Enclosed disconnect switches

GL series, non-fused, 200A to 400A

Disconnect switches in metal and stainless steel enclosure

## UL/CSA, Type 4X in stainless steel enclosure

**new**

Order code	General purpose current ratings	Qty per pkg
	[A]	n°
THREE-POLE. With red/yellow handle. According to UL98.		
<b>GLZS200 UL</b>	200	1
<b>GLZS400 UL</b>	400	1
THREE-POLE. With black handle. According to UL98.		
<b>GLZS200 B UL</b>	200	1
<b>GLZS400 B UL</b>	400	1

### Components

Enclosure dimensions	Disconnect switch	Handle
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#### H x W x D

20" x 16" x 8"	GL0200 C1UL	GLX61
40" x 24" x 12"	GL0400 C1UL	GLX62

20" x 16" x 8"	GL0200 C1UL	GLX61 B
40" x 24" x 12"	GL0400 C1UL	GLX62 B

### General characteristics

- AISI 304 stainless steel enclosure
- Padlockable and defeatable handle
- Front door closing with latch
- Degree of protection: Type 4X
- Cable entry: smooth surfaces; can be drilled by customer
- Terminal lugs.

### Certifications

Certifications obtained: UL.

### TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

TYPE	3-pole	4-pole	GL0200C1UL	GLX420200UL	GL0400C1UL	GLX420400UL
Compliance	—	—	UL98 CSA C22.2 N°4	—	—	—
General purpose current ratings	A	—	200	—	—	400
Maximum operating voltage	V	—	600	—	—	600
Horsepower ratings /motor FLA current three-phase						
240V	HP/A	—	75/192	—	—	125/312
480V	HP/A	—	150/180	—	—	250/302
600V	HP/A	—	200/192	—	—	350/336
Short circuit rating	KA rms	—	200	—	—	100
With fuse	class/A	—	J/200	—	—	J/400
Terminal kit lugs		—	GLX500-GLX501	—	—	GLX502-GLX503
Minimum enclosure dimensions at rated current	mm (in)	—	400 x 250 x 150 (15.8 x 9.9 x 5.9)	—	—	950 x 350 x 200 (37.4 x 13.8 x 7.9)

# Enclosed Disconnect Switches

GM series, Fusible, 30A to 400A

Disconnect switches in metal and stainless steel enclosure

## UL/CSA, Type 4 in metal enclosure with fused disconnect switch



GMZM060J B UL

**new**

**new**

Order code	General purpose current ratings	Qty per pkg
	[A]	n°

THREE-POLE. With red/yellow handle.  
According to UL98.

GMZM030C UL	30	1
GMZM030J UL	30	1
GMZM060J UL	60	1
GMZM100J UL	100	1
GMZM200J UL	200	1
GMZM400J UL	400	1

THREE-POLE. With black handle.  
According to UL98.

GMZM030C B UL	30	1
GMZM030J B UL	30	1
GMZM060J B UL	60	1
GMZM100J B UL	100	1
GMZM200J B UL	200	1
GMZM400J B UL	400	1

Note: 600A and 800A versions available upon request.  
Please contact customer service.

### Components

Enclosure dimensions	Disconnect switch	Handle
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#### H x W x D

10" x 8" x 6"	GMFC030C12	GAX66 N
10" x 8" x 6"	GMFJ030C12	GAX66N
12" x 10" x 8"	GMFJ060C03	GAX66 N
14" x 12" x 8"	GMFJ100C03	GAX66 N
24" x 16" x 8"	GMFJ200C03	GAX66 N
40" x 24" x 12"	GMFJ400C03	GMX61

10" x 8" x 6"	GMFC030C12	GAX66N B
10" x 8" x 6"	GMFJ030C12	GAX66N B
12" x 10" x 8"	GMFJ060C03	GAX66N B
14" x 12" x 8"	GMFJ100C03	GAX66N B
24" x 16" x 8"	GMFJ200C03	GAX66N B
40" x 24" x 12"	GMFJ400C03	GMX61B

### General characteristics

- Painted sheet steel enclosure
- Padlockable and defeatable handle
- Front door closing with latch
- Degree of protection: Type 4
- Cable entry: smooth surfaces; can be drilled by customer
- Terminal lugs.

### Certifications and compliance

Certifications: UL.



GMZM060J B UL

### TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

TYPE	3-pole	GMF...030...	GMFJ060...	GMFJ100C03	GMFJ200C03	GMFJ400C03	GMFJ600C03	GMFL800C03
CHARACTERISTICS								
Compliance		UL98						
General purpose rating (40°C)	A	30	60	100	200	400	600	800
Max operating voltage Ui	V	600						
Horsepower ratings/motor FLA current three-phase	240V HP/A	7.5/22	15/42	30/80	60/154	125/312	200/480	250/602
	480V HP/A	15/21	30/40	60/77	125/156	250/302	400/477	500/590
	600V HP/A	20/22	50/52	75/77	150/144	350/336	500/472	600/472
Short circuit ratings	KA rms	200						
With fuse	A/class	30/J-CC	60/J	100/J	200/J	400/J	600/J	800/L
Terminal lug kits		Built-in		GMX5 00	GMX5 01	GMX5 02	GMX5 04	GMX5 04

# Enclosed Disconnect Switches

GM series, Fusible, 30A to 400A

Disconnect switches in metal and stainless steel enclosure

## UL/CSA, Type 4X in stainless steel enclosure

Order code	General purpose current ratings	Qty per pkg
	[A]	n°

THREE-POLE. With red/yellow handle.  
According to UL98.

**new**

<b>GMZS030C UL</b>	30	1
<b>GMZS030J UL</b>	30	1
<b>GMZS060J UL</b>	60	1
<b>GMZS100J UL</b>	100	1
<b>GMZS200J UL</b>	200	1
<b>GMZS400J UL</b>	400	1

THREE-POLE. With black handle.  
According to UL98.

**new**

<b>GMZS030C B UL</b>	30	1
<b>GMZS030J B UL</b>	30	1
<b>GMZS060J B UL</b>	60	1
<b>GMZS100J B UL</b>	100	1
<b>GMZS200J B UL</b>	200	1
<b>GMZS400J B UL</b>	400	1

Note: 600A and 800A versions available upon request.  
Please contact customer service.

## Components

Enclosure dimensions	Disconnect switch	Handle
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### H x W x D

10" x 8" x 6"	GMFC030C12	GAX 66 N
10" x 8" x 6"	GMFJ030C12	GAX 66 N
12" x 10" x 8"	GMFJ060C03	GAX 66 N
14" x 12" x 8"	GMFJ100C03	GAX 66 N
24" x 16" x 8"	GMFJ200C03	GAX 66 N
40" x 24" x 10"	GMFJ400C03	GMX 61

10" x 8" x 6"	GMFC030C12	GAX 66 NB
10" x 8" x 6"	GMFJ030C12	GAX 66 NB
12" x 10" x 8"	GMFJ060C03	GAX 66 NB
14" x 12" x 8"	GMFJ100C03	GAX 66 NB
24" x 16" x 8"	GMFJ200C03	GAX 66 NB
40" x 24" x 10"	GMFJ400C03	GMX 61 B

## General characteristics

- AISI 304 stainless steel enclosure
- Padlockable and defeatable handle
- Front door closing with latch
- Degree of protection: Type 4X
- Cable entry: smooth surfaces; can be drilled by customer
- Terminal lugs.

## Certifications and compliance

Certifications: UL.

## TECHNICAL DATA ACCORDING TO UL/CSA RATINGS

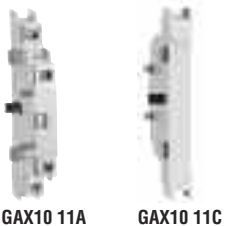
TYPE	3-pole	GMF...030...	GMFJ060...	GMFJ100C03	GMFJ200C03	GMFJ400C03	GMFJ600C03	GMFL800C03
CHARACTERISTICS								
Compliance		UL98						
General purpose rating (40°C)	A	30	60	100	200	400	600	800
Max operating voltage Ui	V	600						
Horsepower ratings/motor FLA current three-phase	240V HP/A	7.5/22	15/42	30/80	60/154	125/312	200/480	250/602
	480V HP/A	15/21	30/40	60/77	125/156	250/302	400/477	500/590
	600V HP/A	20/22	50/52	75/77	150/144	350/336	500/472	600/472
Short circuit ratings	KA rms	200						
With fuse	A/class	30/J-CC	60/J	100/J	200/J	400/J	600/J	800/L
Terminal lug kits		Built-in		GMX5 00	GMX5 01	GMX5 02	GMX5 04	GMX5 04

# Accessories

Auxiliary contacts, neutral terminals, earth/ground terminals, terminal covers



## Add-on blocks, GA Series

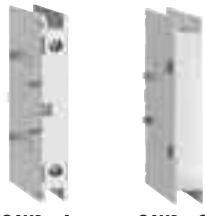


GAX10 11A

GAX10 11C



GAX11 10EA  
GAX12 10EA



GAX3...A

GAX3...C

Order code	Characteristics	Qty per pack	Wt
		n°	[kg]

Auxiliary contacts, simultaneous closing as poles of switch disconnecter.

<b>GAX10 11A</b>	1NO + 1NC for GA...A, GA063 SA and GA040 D	1	0.030
<b>GAX10 11C</b>	1NO + 1NC for GA...C	1	0.030

Auxiliary contacts, early-break operation with respect to poles of switch disconnecter.

<b>GAX11 10EA</b>	1EB(NO) for GA016 A...GA040 A, GA063 SA and GA040 D	1	0.035
<b>GAX12 10EA</b>	1EB(NO) for GA030 A and GA063 A...GA160 A	1	0.035

Neutral terminal.

<b>GAX31 A</b>	For GA016 A...GA040 A, GA063 SA and GA040 D	1	0.040
<b>GAX32 A</b>	For GA030 A and GA063 A...GA160 A	1	0.110
<b>GAX31 C</b>	For GA016 C...GA040 C	1	0.040
<b>GAX32 C</b>	For GA030 C and GA063 C...GA125 C	1	0.110

Earth/Ground terminal.

<b>GAX33 A</b>	For GA016 A...GA040 A, GA063 SA and GA...D	1	0.040
<b>GAX34 A</b>	For GA030 A and GA063 A...GA160 A	1	0.110
<b>GAX33 C</b>	For GA016 C...GA040 C	1	0.040
<b>GAX34 C</b>	For GA030 C and GA063 C...GA125 C	1	0.110

Set of 2 three-pole terminal covers.

<b>GAX83</b>	For GA016 A...GA040 A, GA063 SA, GA016 C...GA040 C and GA040 D	1	0.011
<b>GAX84</b>	For GA030A, GA063 A...GA160 A, GA030 C, GA063 C...GA125 C	1	0.030

### Operational characteristics of auxiliary contacts

- Conventional free air thermal current Ith: 10A
- UL/CSA and IEC/EN 60947-5-1 designation: A600-Q600
- Tightening torque: 0.8Nm/7.1lb.in.

### Operational characteristics for other devices

- Tightening torque:
  - GAX31A/C-GAX33A/C terminals: 1.8...2Nm/16...18lb.in
  - GAX32A/C-GAX34A/C terminals: 5...6Nm/45...54lb.in
  - GAX5000/1-GAX6000/1 fixing: 0.5Nm/4.4lb.in; extension with handle: 0.8Nm/7.1lb.in.

### Certifications and compliance

Certifications obtained:

Type	cULus according to UL508 / CSA C22.2 n°14	cULus according to UL98 / CSA C22.2 n°4	EAC
GAX10 11A - GAX10 11C	●	—	●
GAX11 10EA	●	—	●
GAX12 10EA	●	—	●
GAX31 A - GAX31 C	●	—	●
GAX32 A - GAX32 C	—	●	●
GAX33 A - GAX33 C	●	—	●
GAX34 A - GAX34 C	—	●	●
GAX50 00 - GAX60 00	●	—	●
GAX50 01 - GAX60 01	—	●	●

● Certification obtained.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, IEC/EN 60947-5-1, UL508, UL98, CSA C22.2.

## Add-on blocks, GL Series



GLX10 10EA

GLX10 01



GLX3 00

GLX3 01

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]

Auxiliary contacts.

<b>GLX10 01</b>	1NC with screw terminals	1	0.011
<b>GLX10 10EA</b>	1EB with screw terminals	1	0.011

Neutral terminal.

<b>GLX3 00</b>	For GL0160...GL0315	1	0.200
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Earth/ground terminal.

<b>GLX3 01</b>	For GL0160...GL0315	1	0.200
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One-pole terminal covers.

<b>GLX8 00</b>	3-piece set, each covers 1 pole	1	0.011
<b>GLX8 01</b>	4-piece set, each covers 1 pole	1	0.011

### Operational characteristics of auxiliary contacts GLX10...

- Conventional free air thermal current Ith: 10A
- Rated insulation voltage: 690V
- Conductivity: 5V, 1mA
- UL/CSA and IEC/EN 60947-5-1 designation: A600 Q600
- Tightening torque: 0.8Nm/7.1lb.in
- Max. 8 contacts for GLD160...GL0315 switch disconnectors
- Max. 4 contacts for GLC0160...GLC0315 changeover switches.

### Operational characteristics of neutral and earth/ground terminals GLX3...

- Add-on only on GL0160...GL0315 switch disconnectors
- Tightening torque: 15...22Nm/132.7...194.7lb.in.

### Operational characteristics for terminal covers and phase barriers GLX8...

- Snap on mounting.

### Certifications and compliance

Certifications obtained: cULus

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3.

# Accessories

Auxiliary contacts, neutral terminals, earth/ground terminals, terminal covers

## Add-on blocks, GM Series



GMX10 10



GMX3...



GMX8 00  
GMX8 01



GMX8 02  
GMX8 03  
GMX8 04

Order code	Description	Qty per pkg	Wt
		n°	[kg]
Auxiliary contacts, mounting to the switch mechanism.			
<b>GMX10 11</b> ①	1NO/NC changeover	1	0.020
<b>GMX10 10</b>	1NO	1	0.030
<b>GMX10 01</b>	1NC	1	0.030
Module for auxiliary contacts mounting on the side of the switch mechanism.			
<b>GMX3 3</b>	For GMF..030 types	1	0.060
<b>GMX3 4</b>	For GMF..60 to GMF..800 types	1	0.065
Terminal covers.			
<b>GMX8 00</b>	3-piece set, each covers 1 pole for GMF J100 C03	1	0.080
<b>GMX8 01</b>	3-piece set, each covers 1 pole for GMF J200 C03	1	0.090
<b>GMX8 02</b>	1-piece set, covers 3 poles for GMF J400 C03	1	0.080
<b>GMX8 03</b>	1-piece set, covers 3 poles for GMF J600 C03	1	0.080
<b>GMX8 04</b>	1-piece set, covers 3 poles for GMF L800 C03	1	0.080

### Operational characteristics of auxiliary contacts GMX10 11

- IEC conventional free air thermal current I<sub>th</sub>: 10A
- IEC rated insulation voltage: 400V
- Conductivity: 12V, 25mA
- Tightening torque: 0.8Nm/7.1lb.in
- Maximum 6 contacts for GMF..030 disconnect switches.

### Operational characteristics of auxiliary contacts GMX10 10/01

- IEC/UL conventional free air thermal current I<sub>th</sub>: 16A/10A
- IEC/UL rated insulation voltage: 690V/600V
- Conductivity: 24V, 10mA
- UL/CSA and IEC/EN 60947-5-1 designation: A600 R300
- Tightening torque: 0.8Nm/7.1lb.in
- Maximum 8 contacts for GMF..060 to GMF L800 disconnect switches.

### Operational characteristics for terminal covers

- Snap on mounting.

### Certifications and compliance

Certifications obtained: cULus for GMX10 10, GMX10 01, GMXF M1 and GMXF M2.  
Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1.

① Only for GMF...030 types.

② For all GM switch disconnectors. Suitable for 1 or 3 phase circuits. Includes 1 NO and 1 NC auxiliary contacts and red/green LED lights for indication.

# ENCLOSED DISCONNECT SWITCHES



ENERGY AND AUTOMATION

[www.LovatoUsa.com](http://www.LovatoUsa.com)

## LOVATO ELECTRIC INC

2017 Georgetown Blvd.  
CHESAPEAKE, VA 23325  
UNITED STATES

Tel. +1 757 545-4700  
Fax +1 757 545-2900  
[info@LovatoUsa.com](mailto:info@LovatoUsa.com)



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