



GL Series

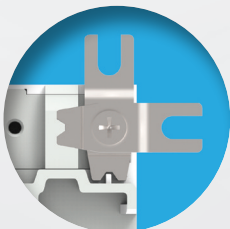
*Switch Disconnectors
and Changeover Switches*

MECHTRIC

THE PERFECT SOLUTION

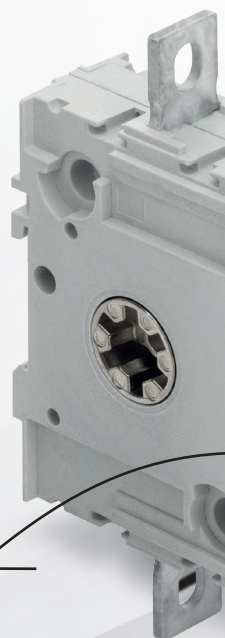
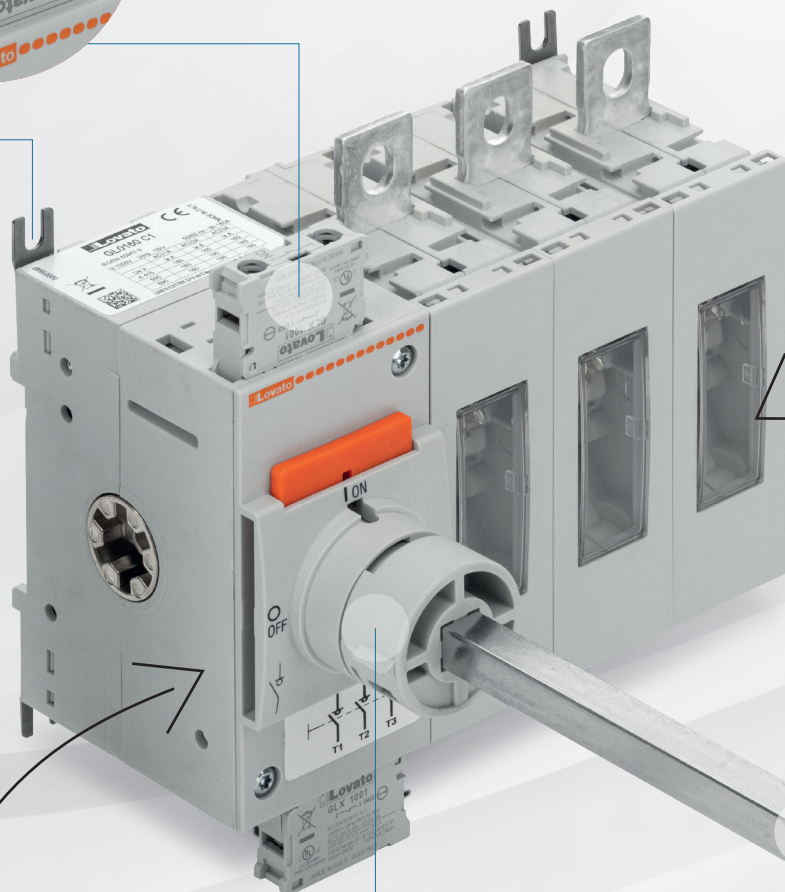
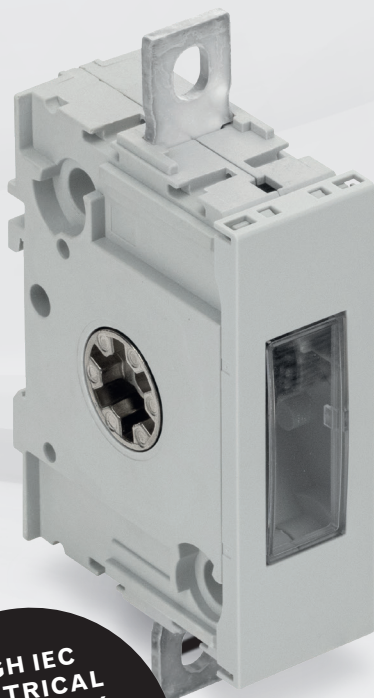
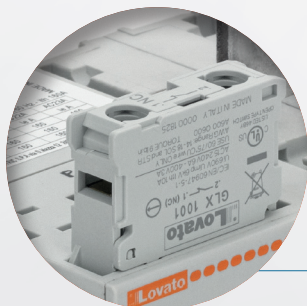
SNAP-ON AUXILIARY CONTACTS

Suitable for all the switch disconnectors and changeover switches, the snap-on contacts are mounted on the main switching actuator (max 8 contacts for switch disconnectors; max 4 contacts for changeover switches).



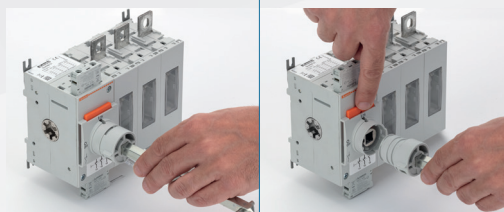
FLEXIBILITY

Switch disconnectors can be installed in all directions. The clips for screw fixing can be adjusted both in rotation and position (flexible fixing interaxis).



HIGH IEC ELECTRICAL CAPABILITY

The rated currents in AC23 up to 630A-415V and up to 500A-690V are the highest of the category.



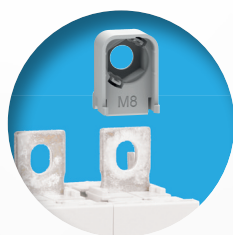
Snap-on shaft mounting and dismounting



WIDE RANGE OF ACCESSORIES

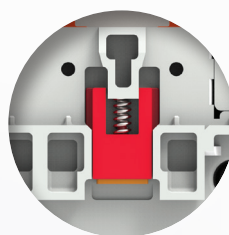
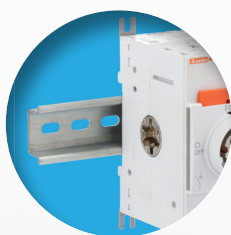
A wide choice of auxiliary contacts, terminal covers, phase barriers, terminal clamps, bridging bars, shafts and handles are available to satisfy every installation need.





CAPTIVE NUTS

Accessory that allows even easier wiring of the terminals using a single key.

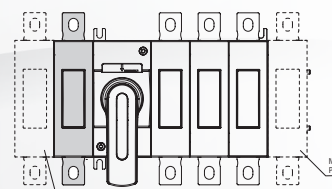
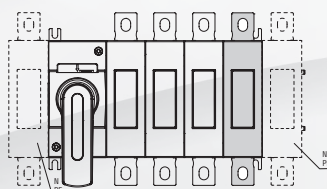


ANTI-SLIDE INSERT

For sizes from 160A to 315A there are two rubber pad inserts to prevent the sliding of switch disconnectors on the DIN rail.

MODULARITY OF COMPONENTS

It is possible to optimize the management of the various product configurations thanks to the modularity of the components: fourth pole, earth and neutral terminals can be mounted by the installer in the desired position.



SNAP-ON SHAFT MOUNTING

Shafts can be mounted and released with a simple snap action on the front of the switch. This feature allows fast installation and easy accessibility to the panel in case of maintenance.



HANDLES

Switch disconnectors and changeover switches are standard supplied without any handles. By purchasing the direct operating handle separately it is possible to create a direct operating version. The handles can be mounted and removed very easily thanks to the snap-on assembly.

> IP66, IP69K and NEMA 4X

A wide range of screw fixing pistol grip handles are available with the maximum degree of protection on the market.

> ul508a

In compliance with UL508A standards, which require internal panel inspection by authorized personnel with power applied, pistol handles are available with defeatable feature of the door coupling when the switch disconnector or the changeover switch is closed, i.e. in ON position.

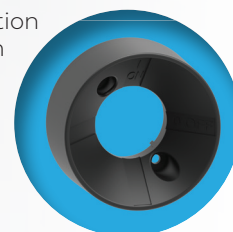


> Padlockable

All direct and door coupling handles are equipped with integrated padlock mechanism.

> Shaft alignment ring

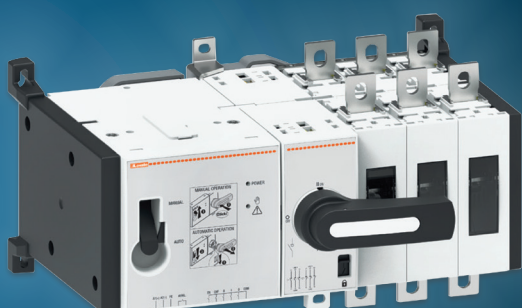
To facilitate the insertion of the shaft extension in the door coupling handle, the alignment ring can be mounted.

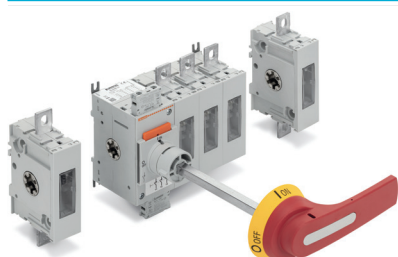


MOTORISED CHANGEOVER SWITCHES

Available in three or four-pole versions with current ratings from 125A to 315A, these switches offer two motor command modes: impulse and contactor logic.

Additional functionality can be added through the integrated expansion slot, enabling features such as relay outputs or a Modbus-RTU RS485 communication port.





type	AC-23A ≤ 400V	AC-23A ≤ 415V	poles	description	dimensions (mm)		
					(H)	(W)	(D)

GL series - Three-pole load-break switches 160A - 1000A

- Door interlocking handle and shaft (*to be ordered separately*)

Three-pole 160A - 315A

GL0160C1	160A	90 kW	3-pole	Isolator/load-break switch	155	162	91
GL0200C1	200A	110 kW	3-pole	Isolator/load-break switch	155	162	91
GL0250C1	250A	140 kW	3-pole	Isolator/load-break switch	155	162	91
GL0315C1	315A	160 kW	3-pole	Isolator/load-break switch	155	162	91

Three-pole 400A - 1000A

GL0400C1	400A	200 kW	3-pole	Isolator/load-break switch	188	204	112
GL0500C1	500A	250 kW	3-pole	Isolator/load-break switch	188	204	112
GL0630C1	630A	355 kW	3-pole	Isolator/load-break switch	260	231	112
GL0800C1	800A	450 kW	3-pole	Isolator/load-break switch	250	284	148
GL1000C1	1000A	560 kW	3-pole	Isolator/load-break switch	388	314	148

Attachable 4th pole (*for above 3-pole switches*)

GLX420315	315A	—	1-pole	attachable 4th pole for switches	GL0160...315C1		
GLX420400	400A	—	1-pole	attachable 4th pole for switches	GL0400C1		
GLX420630	630A	—	1-pole	attachable 4th pole for switches	GL0500...630C1		
GLX420800	800A	—	1-pole	attachable 4th pole for switches	GL0800C1		
GLX421000	1000A	—	1-pole	attachable 4th pole for switches	GL1000C1		

Handles (*external front operation*)

IP65

- External door interlocking handles padlockable (*3 padlocks*) in "OFF" position

GLX61	red/yellow	door interlocking pistol grip handle (125 mm)	GL0160...315C1	
GLX61B	black	door interlocking pistol grip handle (125 mm)	GL0160...315C1	
GLX62	red/yellow	door interlocking pistol grip handle (175 mm)	GL0400...630C1	
GLX62B	black	door interlocking pistol grip handle (175 mm)	GL0400...630C1	
GLX63	red/yellow	door interlocking pistol grip handle (175 mm)	GL0800...1000C1	
GLX63B	black	door interlocking pistol grip handle (175 mm)	GL0800...1000C1	
GLX00	—	shaft alignment ring for pistol grip handles	GLX61...3/B	

Extension shafts (*for above handles*)

GLX7200S10	200 mm	□ 10 mm ²	extension shaft for handles	GLX61...2/B
GLX7300S10	300 mm	□ 10 mm ²	extension shaft for handles	GLX61...2/B
GLX7400S10	400 mm	□ 10 mm ²	extension shaft for handles	GLX61...2/B
GLX7500S10	500 mm	□ 10 mm ²	extension shaft for handles	GLX61...2/B
GLX7200S12	200 mm	□ 12 mm ²	extension shaft for handles	GLX63/B
GLX7300S12	300 mm	□ 12 mm ²	extension shaft for handles	GLX63/B
GLX7400S12	400 mm	□ 12 mm ²	extension shaft for handles	GLX63/B
GLX7500S12	500 mm	□ 12 mm ²	extension shaft for handles	GLX63/B

Handles (*direct switch mounted*)

GLX61DB	black	direct switch mount internal handle	GL0160...315C1
GLX61D	red/yellow	direct switch mount internal handle	GL0160...315C1
GLX62DB	black	direct switch mount internal handle	GL0400...630C1
GLX63DB	black	direct switch mount internal handle	GL0800...1000C1

Auxiliary contact blocks (*1th 10A*)

- Snap-on auxiliary contact blocks mounted on the main switching actuator

GLX1010EA	1NO	auxiliary	contact for GL switches (<i>early break</i>)	GL0160...1000C1
GLX1001	1NC	auxiliary	contact block for GL switches	GL0160...1000C1

Terminal shrouds for switches 160 - 1000A

GLX800	1-pole	terminal	protection shroud (<i>set of 3 pcs</i>)	GL0160...315C1
GLX802	1-pole	terminal	protection shroud (<i>set of 3 pcs</i>)	GL0400...630C1
GLX804	1-pole	terminal	protection shroud (<i>set of 3 pcs</i>)	GL0800...1000C1

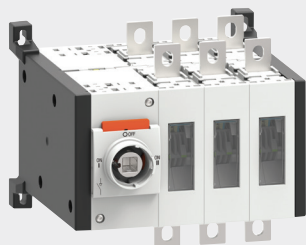
Phase barriers (*required for voltage > 500V*)

GLX900	3-pole	barrier	phase barrier (<i>set of 6 pcs</i>)	GL0160...315C1
GLX902	3-pole	barrier	phase barrier (<i>set of 6 pcs</i>)	GL0400...630C1
GLX904	3-pole	barrier	phase barrier (<i>set of 6 pcs</i>)	GL0800C1

Captive nuts

GLX550	1 terminal	captive nuts for switch terminals (<i>set of 8 pcs</i>)	GL0160...315C1
GLX551	1 terminal	captive nuts for switch terminals (<i>set of 8 pcs</i>)	GL0400...630C1
GLX552	1 terminal	captive nuts for switch terminals (<i>set of 8 pcs</i>)	GL0800C1
GLX553	1 terminal	captive nuts for switch terminals (<i>set of 8 pcs</i>)	GL01000C1

NEW



GLC0200C1



GLX00



GLX61DB



GLX201

type	AC-21A ≤ 690V	AC-23A ≤ 415V	poles	description	dimensions (mm)		
					(H)	(W)	(D)

GLC series - Changeover switches

IEC/EN, 60947-6-1

- Operating handle and shaft (*to be ordered separately*)

Three-pole 160A - 1000A

GLC0160C1	160A	90 kW	3-pole	changeover switch	141	186	192
GLC0200C1	200A	110 kW	3-pole	changeover switch	141	186	192
GLC0250C1	250A	140 kW	3-pole	changeover switch	141	186	192
GLC0315C1	315A	160 kW	3-pole	changeover switch	141	186	192
GLC0400C1	400A	200 kW	3-pole	changeover switch	159	237	231
GLC0500C1	500A	250 kW	3-pole	changeover switch	159	237	231
GLC0630C1	630A	355 kW	3-pole	changeover switch	260	264	231
GLC0800C1	800A	450 kW	3-pole	changeover switch	200	340	326
GLC1000C1	1000A	560 kW	3-pole	changeover switch	388	370	326

Four-pole 160A - 1000A

GLC0160T4C1	160A	90 kW	4-pole	changeover switch	141	221	192
GLC0200T4C1	200A	110 kW	4-pole	changeover switch	141	221	192
GLC0250T4C1	250A	140 kW	4-pole	changeover switch	141	221	192
GLC0315T4C1	315A	160 kW	4-pole	changeover switch	141	221	192
GLC0400T4C1	400A	200 kW	4-pole	changeover switch	159	282	231
GLC0500T4C1	500A	250 kW	4-pole	changeover switch	159	282	231
GLC0630T4C1	630A	355 kW	4-pole	changeover switch	260	318	231
GLC0800T4C1	800A	450 kW	4-pole	changeover switch	200	405	326
GLC1000T4C1	1000A	560 kW	4-pole	changeover switch	388	445	326

Accessories for above GL changeover switches
Handles for changeover switches (external front operation)

IP65

- External door interlocking handles padlockable (*3 padlocks*) in "OFF" position

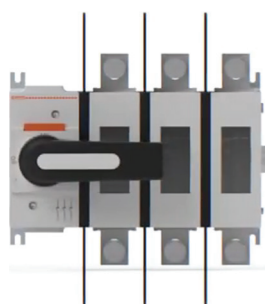
GAX67B	black	I-O-II	door interlocking handle 65 mm ²	(screw fixing)	GA025...160ET6
GLX61CB	black	I-O-II	door interlocking pistol grip handle	(125 mm)	GLC0200...315C1
GLX62CB	black	I-O-II	door interlocking pistol grip handle	(175 mm)	GLC0400...630C1
GLX63CB	black	I-O-II	door interlocking pistol grip handle	(175 mm)	GLC0800...1000C1
GLX00	black		shaft alignment ring for all above handles		GLX61...3CB

 For extension shafts see **B-5**
Direct switch-mounted handles for changeover switches

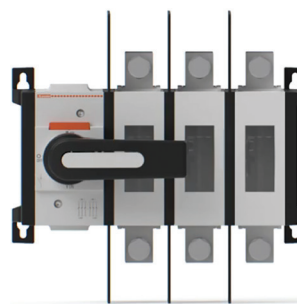
GLX61DB	black	I-O-II	direct switch mount internal handle	GLC160...315C1
GLX62DB	black	I-O-II	direct switch mount internal handle	GLC0400...630C1
GLX63DB	black	I-O-II	direct switch mount internal handle	GLC0800...1000C1

Bridging bars for changeover switches

GLX201	3-pole	bridge bars	terminal bridging bars	(set of 3 pcs)	GLC160...315C1
GLX206	3-pole	bridge bars	terminal bridging bars	(set of 3 pcs)	GLC0400...630C1
GLX208	3-pole	bridge bars	terminal bridging bars	(set of 3 pcs)	GLC0800...1000C1
GLX202	4-pole	bridge bars	terminal bridging bars	(set of 4 pcs)	GLC160...315C1
GLX207	4-pole	bridge bars	terminal bridging bars	(set of 4 pcs)	GLC0400...630C1
GLX209	4-pole	bridge bars	terminal bridging bars	(set of 4 pcs)	GLC0800...1000C1

 Switch **Disconnectors** and **Changeover** Switches

SWITCH DISCONNECTORS

- Compact dimensions
- Four-pole version with the optional **fourth-pole add-on**
- From **160A to 630A** AC23
- **100A, 200A, 400A, 600A and 800A** UL98 listed versions


MANUAL CHANGEOVER SWITCHES

- Compact dimensions
- **Three-pole and four-pole** versions already assembled
- From **160A to 1000A** AC23
- **100A, 200A and 400A** UL1008 listed versions

Scan here



Technical documents


 Scan to view
 selection guide

Motorised changeover switches

Motorised changeover switches

Lovato Electric's compact, efficient and reliable motorised changeover switches ensure uninterrupted power and safe transitions between sources such as the mains and backup generators – ideal for demanding commercial and industrial applications.

GLCM changeover switches offer two operating modes: impulse logic, which moves the switch to the selected position after a control pulse, and contactor logic, which keeps the switch in position while the command is active, returning to "0" when the command is removed (with auxiliary power).

Users can choose between impulse or contactor logic for quick or continuous control flexibility, while the built-in expansion slot allows for easy system upgrades with additional relay outputs or a Modbus-RTU RS485 communication port.

- Uninterrupted operations:** Maintain business continuity by automatically or manually switching to an alternate power source
- Safety first:** Prevent electrical back-feeding and reduce risks during maintenance or emergencies
- Operational Efficiency:** Quickly restore power and minimise downtime

General features:

- Current ratings from 125A to 315A AC23A
- Screw fixing on plate for robust installation
- Open transition (I – 0 – II positions) ensuring clear and safe position changes
- Electrically or manually operated, giving flexibility in control
- Fully compliant with **IEC/EN/BS 60947-6-1** and **IEC/EN/BS 60947-3**



GLCMB0250D024

type	AC-21A ≤ 690V	AC-23A ≤ 500V	poles	description	dimensions (mm)		
					(H)	(W)	(D)

GLC series - Three pole changeover switches 160A - 315A

24 VDC power supply

GLCMB0160D024	160A	160A	3-pole	isolator/load-break switch	141	186	213
GLCMB0200D024	200A	200A	3-pole	isolator/load-break switch	141	186	213
GLCMB0250D024	250A	250A	3-pole	isolator/load-break switch	141	186	213
GLCMB0315D024	315A	250A	3-pole	isolator/load-break switch	188	237	256

230 VAC power supply

GLCMB0160A230	160A	160A	3-pole	isolator/load-break switch	141	186	213
GLCMB0200A230	200A	200A	3-pole	isolator/load-break switch	141	186	213
GLCMB0250A230	250A	250A	3-pole	isolator/load-break switch	141	186	213
GLCMB0315A230	315A	250A	3-pole	isolator/load-break switch	188	237	256

GLC series - Four pole changeover switches 160A - 315A

24 VDC power supply

GLCMB0160T4D024	160A	160A	4-pole	isolator/load-break switch	141	186	213
GLCMB0200T4D024	200A	200A	4-pole	isolator/load-break switch	141	186	213
GLCMB0250T4D024	250A	250A	4-pole	isolator/load-break switch	141	186	213
GLCMB0315T4D024	315A	250A	4-pole	isolator/load-break switch	188	237	256

230 VAC power supply

GLCMB0160T4A230	160A	160A	4-pole	isolator/load-break switch	141	186	213
GLCMB0200T4A230	200A	200A	4-pole	isolator/load-break switch	141	186	213
GLCMB0250T4A230	250A	250A	4-pole	isolator/load-break switch	141	186	213
GLCMB0315T4A230	315A	250A	4-pole	isolator/load-break switch	188	237	256



GLCMB0250T4D024

→ **GLCM motorised changeover** - Ideal for pairing with **ATL / RGK** series



GLCM

Optional **RS485** port enables simplified wiring, faster setup, and real-time monitoring. For example, when the GLCM series is paired with **ATL** or **RGK** controllers, status and alarms can be viewed directly on the controller display.

SWITCH DISCONNECTORS



COMPACT SIZE

The three-pole switch disconnectors are made up of a body with compact dimensions: 162mm/6.38" wide up to 315A, 203mm/7.99" from 320A to 500A, 231mm/9.09" for 630A, 284mm/11.18" from 630A to 800A and 314mm/12.36" for 1000A.

EASY INSTALLATION ON DIN-RAIL

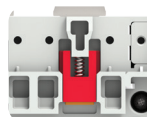
The switch disconnectors can be mounted on a DIN rail (for sizes from 160A to 315A) or on a plate by screw fixing.

UL98 VERSION

Switch disconnectors are listed for USA and Canada, certified according to UL98/CSA C22.2 n° 4. General use current: 100-200-400-600-800A.

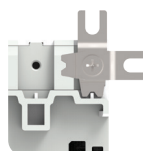
ANTI-SLIDE INSERT FOR DIN-RAIL

For sizes from 160A to 315A there are two rubber pad inserts that prevent the sliding of the switch disconnectors on the DIN-rail.



FLEXIBLE INSTALLATION ORIENTATION

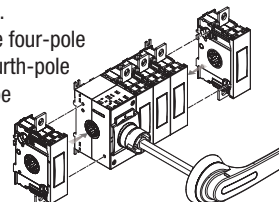
Switch disconnectors can be installed in all directions. The clips for screw fixing can be adjusted both in rotation and position (flexible fixing).



FOUR-POLE VERSION AVAILABLE

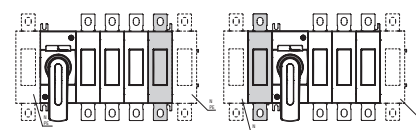
Switch disconnectors are supplied with three-pole configuration.

To realise the four-pole version, a fourth-pole add-on can be purchased.



COMPONENT FLEXIBILITY

It is possible to mount the fourth pole, neutral and earth/ground terminals on both sides of the switch disconnectors using 2 screws.



MANUAL CHANGEOVER SWITCHES



COMPACT SIZE

Manual changeover switches are made up of a body with compact dimensions:

- 185mm/7.28" wide for three-pole versions up to 315A, 237mm/9.33" from 320A to 500A, 263mm/10.35" for 630A, 340mm/13.39" from 631A to 800A and 370mm/14.67" for 1000A;
- 220mm/8.66" wide for the four-pole versions up to 315A, 281mm/11.06" from 320A to 500A, 317mm/12.48" for 630A, 405mm/15.94" from 631A to 800A and 445mm/17.52" for 1000A.

EASY INSTALLATION

The manual changeover switches can be mounted on a plate by screws.

UL1008 VERSION

The manual changeover switches are listed for USA and Canada, certified according to UL1008/CSA C22.2 n° 178. General use current: 100-200-400A.

THREE AND FOUR-POLE VERSION

Manual changeover switches are already supplied assembled in three-pole and four-pole configuration.

MOTORISED CHANGEOVER SWITCHES

COMPACT SIZE

Motorised changeover switches are made up of a body with compact dimensions: 294mm/11.57" wide for three-pole versions and 328mm/12.91" wide for the four-pole versions.

FUNCTIONING LOGIC

Motor command is possible in 2 different ways:

- Impulse logic: the changeover switch moves to a specific position after receiving an impulse on the command inputs I-O-II.
- Contactor logic: the changeover switch moves to a specific position (I or II) and it remains in that position as long as the command is held. If the command I or II is removed, the switch returns to the position 0 (the auxiliary power supply must be available).

EXPANDABILITY

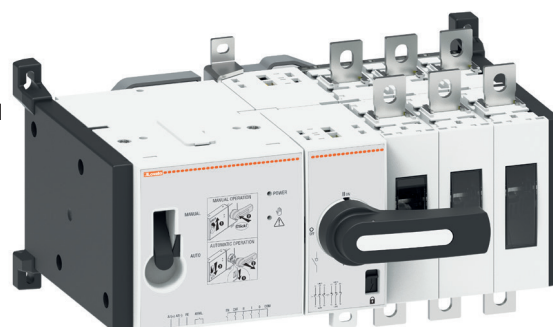
It is possible to add further additional relay outputs or a Modbus-RTU RS485 communication port by the means of the expansion slot integrated in the motorized changeover switch.

THREE AND FOUR-POLE VERSION

Motorised changeover switches are already supplied assembled in three-pole and four-pole configuration.

WIDE RANGE OF MOTOR SUPPLY VOLTAGE

- 3 motor supply voltages are available:
- 24VDC (19.2...31.2VDC);
- 110...125VAC/DC (77...165VAC/DC);
- 208...277VAC (166...332VAC).





CONTACT US

PERTH

14 Lorries Court,
Malaga, 6090
P: (08) 9248 0410

MELBOURNE

21 Kimberly Road,
Dandenong South, 3175
P: (03) 9706 4599

BRISBANE

U6, 57 Mortimer Road,
Acacia Ridge, 4110
P: (07) 3274 3327

SYDNEY

2 Squill Place,
Arndell Park, 2148
P: (02) 9676 1671

ADELAIDE

72 Wingfield Road,
Wingfield, 5013
P: (08) 8347 2499

Free Call: 1800 252 995 | **Email:** sales@mechtric.com.au

www.mechtric.com.au

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