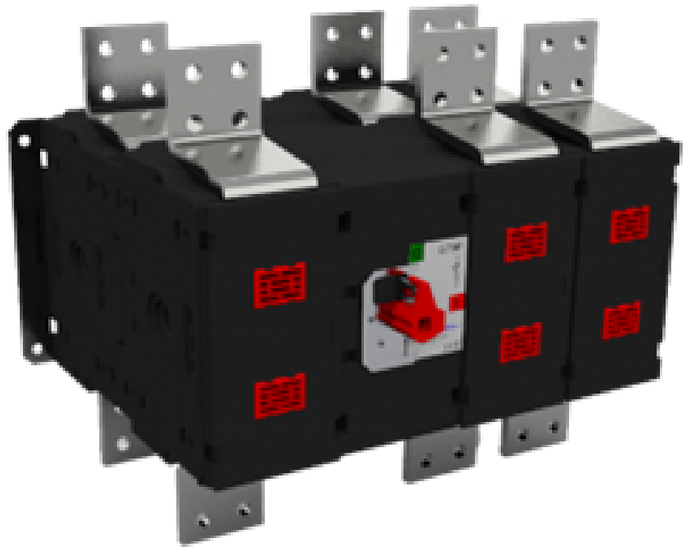
vector Energy

# SWITCH DISCONNECTORS

## GT 4000 A



## _GENERALITIES
The switch disconnector GT-GLOBE TECHNICS with and without fuses are suitable for making and breaking on load and disconnecting low voltage electrical circuits.

## _USE
GT switches commonly used for the following purposes:
- main switch
- switch for motors
- switch disconnector
- safety switch

The version type GT-FP with fuses it carry out the protection functions against the short circuits and overload system and machines

## _GENERAL CHARACTERISTICS
Rated insulation voltage 1500V AC and 1500V DC
2-3-4 Poles available
Each phase, pole phase and the operating mechanism can be mounted in any position
Terminals with front or rear connections or with both combination
High breaking capacity (AC22, AC23, IEC 60947-3)
High electrical and mechanical endurance
Double break contacts (with fuse)
Totally insulated when opened switch
Suitable for din-bs fuses
Self cleaning contacts
Contact position positively indicated by the handle
Visibility of fixing and moving contacts by means of windows
Side and frontal indipendent manual operation
Solid neutral version available
Full neutral current
Suitable protection to prevent accidental touching of the live parts
Casing in self-extinguishing (vo-ul94), low hygroscopic and high mechanical
Resistance isolating material
Resistant to damp heat
External double insulated handle with door interlock in ON position, IP65 degree of protection, padlockable with three padlocks in off position
Direct handle padlockable in off position
Adjustable shaft
Max 4NO+4NC auxiliary signaling contacts and max 2NO+2NC pre-break auxiliary contacts
Wide range of accessories

## _NORMAL SERVICE, MOUNTING AND TRANSPORT CONDITIONS
Storage and transport ambient temperature - 25°c + 55°c
Working ambient temperature - 20°c + 40°c
In case of higher ambient temperature ($t_a$) consider the following derating formula:

$I_{the} = k\, i_{th}$ where $\quad k = 1 - \frac{t_a - 40}{100}$

Relative humidity max 95%
Rated frequency 50 - 60 hz
Altitude max 2000 m a.s.l.
Pollution degree 3 according IEC 60947-1
Mounting in enclosure: in case of utilisation at full load and without adequate ventilation, ensure a volume of about 5 times the volume of the switch
Duty (IEC 60947-1): 8 hours; uninterrupted; intermittent 60% class 30; temporary; periodic.

For different operating conditions, please contact the manufacturer.

## _CONFORMITY TO STANDARDS
IEC 60947-1 | IEC 60947-3 | UNI EN 60947-1 | UNI EN 60947-3 | EAC

## _CERTIFICATES AND APPROVALS
IENGF

## Configurazione standard _Standard configuration



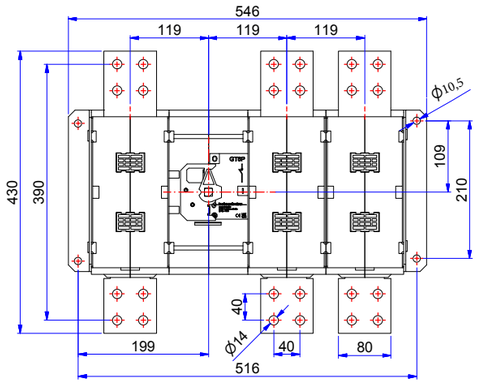




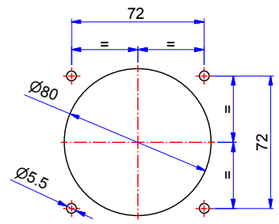
| Caratteristiche tecniche _Technincal Features | Tipo _Type | | GT6 PN |
|---|---|---|---|
| Corrente nominale _Rated current | In | A | 4000 |
| Tensione nominale d'isolamento _Rated insulation voltage | Ui | V | 1500 |
| Corrente nominale termica _Thermal current | Ith | A | 4000 |
| **Corrente nominale d' impiego _Rated operational current** | | | |
| AC-21A | 420V | A | 4000 |
| | 500V | A | 4000 |
| | 690V | A | - |
| AC-22A | 420V | A | - |
| | 500V | A | - |
| | 690V | A | - |
| AC-23A | 420V | A | - |
| | 500V | A | - |
| | 690V | A | - |
| Corrente di breve durata _Short-circuit withstand current | 1 sec | kA | 50 |
| Potere di chiusura in corto circuito _Short-circuit making capacity | 400V | kA | 105 |
| **Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current** | | | |
| Tipo fusibile _Backup fuse | | A | - |
| Valore efficace _R.M.S. value | | kA | - |
| Valore di picco _Peak value | | kA | - |
| Durata meccanica _Mechanical endurance | | n. | 2500 |
| Durata elettrica _Electrical endurance | | n. | 500 |
| Potenza dissipata per polo _Power losses for pole | | W | 272 |
| Potenza condensatori _rated capacitor power | 400V | kVAR | 1600 |
| Peso netto _Net weight | 3P | Kg | 80 |
| | 4P | | 100 |

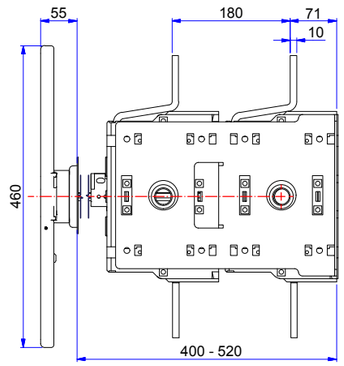
## GT6PN 4000 A 3P





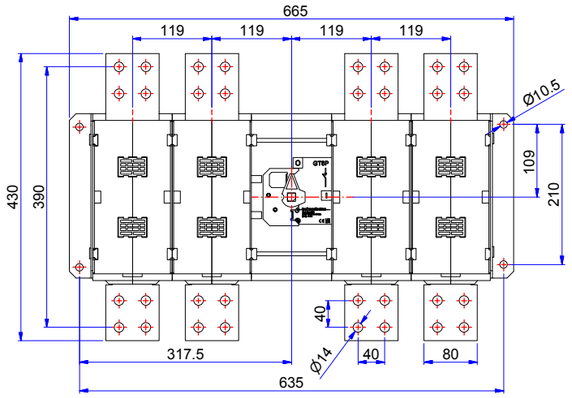

Foratura portella _Door drilling



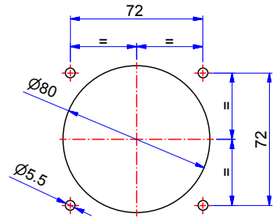



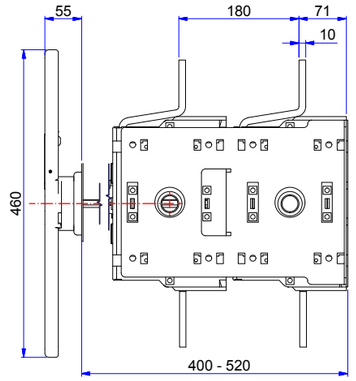

## GT6PN 4000 A 4P






Foratura portella _Door drilling



# MANUAL CHANGE-OVER SWITCHES

## CMA serie GT 4000A



# COMMUTATORE GT

## GT CHANGE-OVER SWITCHES

## _GENERALITIES

Change-over switches manually operated suitable for breaking and permutating two low voltage electrical circuits. They are made by two standard switches of GT series mechanically interlocked.

## _GENERAL CHARACTERISTICS

3 Positions I-0-II
Visibility of fixed and moving contacts by means of windows
Indipendent fast action operation
Double break contacts
High electrical and mechanical endurance
Resistant to damp heat
Rotary front operation by means of:
External double insulated handle with door-interlock in I and II position

## _NORMAL SERVICE, MOUNTING AND TRANSPORT CONDITIONS

storage and transport ambient temperature - 25°C + 55°C
working ambient temperature - 20°C + 40°C
in case of higher ambient temperature ($t_a$) consider the following derating formula:

$I_{The} = k\, I_{Th}$ dove $\qquad K = 1 - \frac{t_a - 40}{100}$

relative humidity max 95%
rated frequency 50 - 60 Hz
altitude max 2000 m a.s.l.
pollution degree 3 according IEC 60947-1
duty (IEC 60947-1):
eight-hour duty
uninterrupted duty
intermittent duty 60% class 30
temporary duty
periodic duty

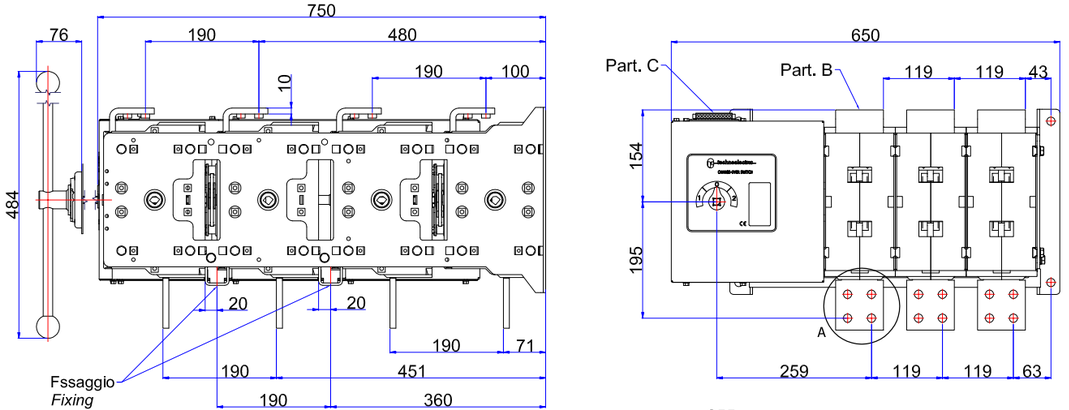
For other operating conditions please contact the manufacturer.

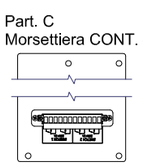


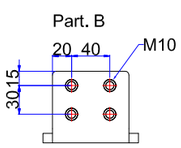
| Caratteristiche tecniche _Technincal Features | Tipo _Type | | GT 4000 |
|---|---|---|---|
| Corrente nominale _Rated current | In | A | 4000A |
| Tensione nominale d'isolamento _Rated insulation voltage | Ui | V | 1500 |
| Corrente nominale termica _Thermal current | Ith | A | 4000 |
| Corrente nominale d' impiego _Rated operational current | | | |
| AC-21A | 420V | A | 4000 |
| | 500V | A | 4000 |
| | 690V | A | - |
| AC-22A | 420V | A | - |
| | 500V | A | - |
| | 690V | A | - |
| AC-23A | 420V | A | - |
| | 500V | A | - |
| | 690V | A | - |
| Corrente di breve durata _Short-circuit withstand current | 1 sec | kA | 50 |
| Potere di chiusura in corto circuito _Short-circuit making capacity | | kA | 105 |
| Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current | | | |
| Tipo fusibile _Backup fuse | | A | - |
| Valore efficace _R.M.S. value | | kA | - |
| Valore di picco _Peak value | | kA | - |
| Durata meccanica _Mechanical endurance | | n. | 2500 |
| Durata elettrica _Electrical endurance | | n. | 500 |
| Potenza dissipata per polo _Power dissipation per pole | | W | 272 |
| Potenza condensatori a 400V _Rated capacitor power at 400V | 400 V | kVAR | 1600 |
| Peso netto _Net weight | 3P | Kg | 180 |
| | 4P | | 220 |

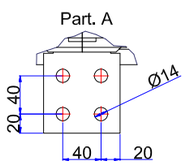
## GT 4000A 3P

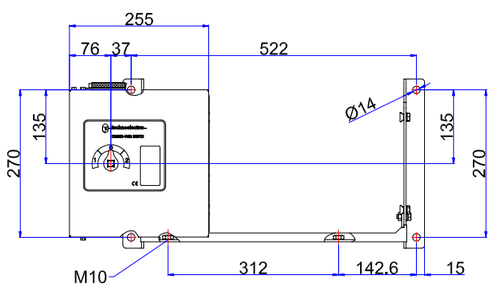




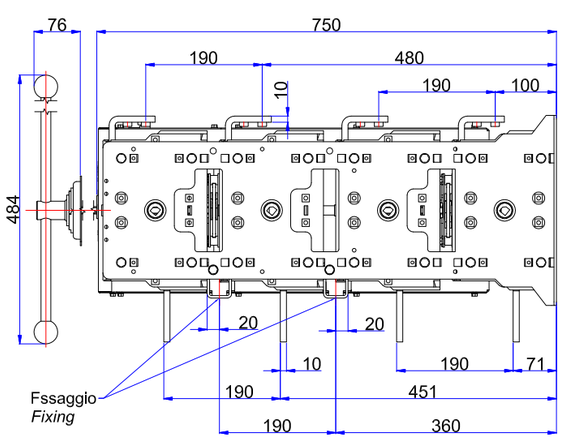



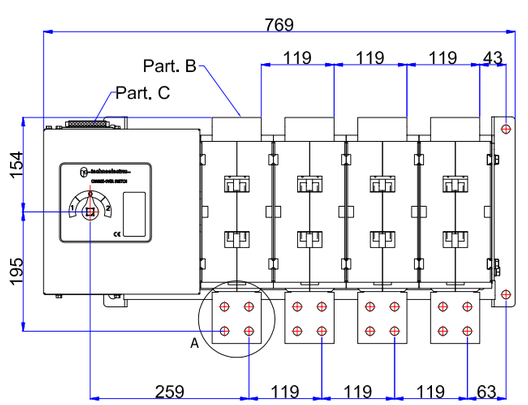



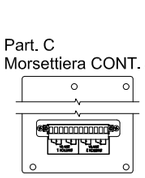



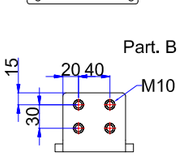

## GT 4000A 4P

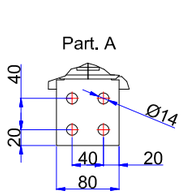


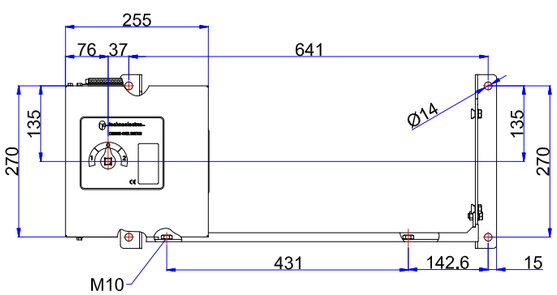


# MOTORIZED CHANGE-OVER SWITCHES

## CMO serie GT 4000A

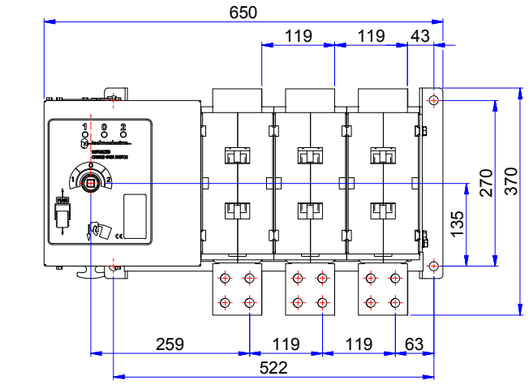


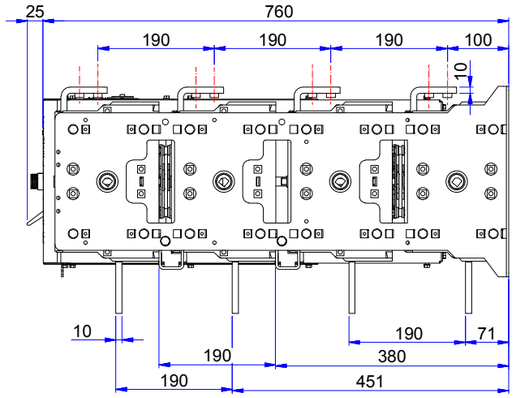
| Caratteristiche tecniche _Technincal Features | Tipo _Type | | GT |
|---|---|---|---|
| Corrente nominale _Rated current | In | A | 4000 |
| Tensione nominale d'isolamento _Rated insulation voltage | Ui | V | 1500 |
| Corrente nominale termica _Thermal current | Ith | A | 4000 |
| Corrente nominale d' impiego _Rated operational current | | | |
| AC-21A/B | 400V | A | 4000 |
| | 500V | A | 4000 |
| | 690V | A | - |
| AC-22A/B | 400V | A | - |
| | 500V | A | - |
| | 690V | A | - |
| AC-23A/B | 400V | A | - |
| | 500V | A | - |
| | 690V | A | - |
| DC-21A/B* | 220V | A | - |
| | 420V | A | - |
| | 560V | A | - |
| DC-22A/B* | 220V | A | - |
| | 420V | A | - |
| | 560V | A | - |
| DC-23A/B* | 220V | A | - |
| | 420V | A | - |
| | 560V | A | - |
| Potere di chiusura _Rated making capacity | 400V AC23 | A | - |
| Potere di interruzione _Breaking capacity | 400V AC23 | A | - |
| Corrente di breve durata _Short-circuit withstand current | 1 sec | kA | 50 |
| Corrente di breve durata _Short-circuit withstand current | 0,25 sec | kA | |
| Potere di chiusura in corto circuito _Short-circuit making capacity | 400V | kA | 100 |
| Potenza nominale d'impiego _Rated operational power | 400V AC23 | kW | - |
| Corrente di corto circuito condizionata da fusibile _Rated fuse short-circuit current | | | |
| Tipo fusibile _Backup fuse | | A | - |
| Valore efficace _R.M.S. value | | kA | - |
| Valore di picco _Peak value | | kA | - |
| Durata meccanica _Mechanical endurance | | n. | 2500 |
| Durata elettrica _Electrical endurance | | n. | 500 |
| Potenza dissipata per polo ** _Power losses for pole | | W | 272 |
| Dimensione cavo _Cable section | | $mm^2$ | - |
| Dimensione barre _Bars dimension | | mm | - |
| Tempi di commutazione _ Change over time | [I-II o II-I] | sec | 22 |
| Tensione di alimentazione c.c. _DC voltage supply | ± 10% | | 24 |
| | min | | 18 |
| Tensione di alimentazione c.a. _AC voltage supply | ± 10% | | 230 |
| Consumo comando elettrico _Power motor consumption | A | | 3,8 |
| Peso netto _Net weight | 3P | Kg | 196 |
| | 4P | | 230 |

*Due poli in serie _Two poles in series **Escluso fusibile _Fuse excluded

## GT 4000 A 3P






## GT 4000 A 4P



