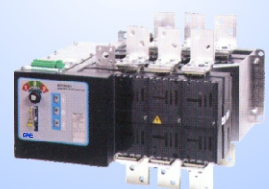
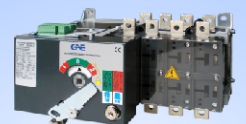
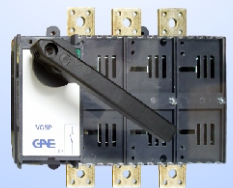
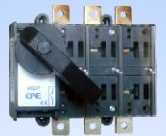




LOAD BREAK SWITCH AND CHANGE-OVER SWITCHES

- MODULAR SWITCH DISCONNECTORS
AND CHANGE-OVER SWITCHES
- LOAD BREAK SWITCH
- CHANGE-OVER SWITCHES
- MOTORIZED CHANGE-OVER SWITCHES





SD - MODULAR LOAD BREAK SWITCH and CHANGE-OVER SWITCHES

GENERAL CHARACTERISTICS

- high breaking capacity (AC 22A - AC 23A)
- double break contacts
- high electrical and mechanical endurance
- resistant to damp heat
- IP20 degree of protection
- modular execution, basic mounting on 35 mm DIN rail and by screws, modular window 45mm

OPERATING MECHANISM

- Black (standard execution) or emergency direct handle padlockable in 0 position
- Handle with and without door interlock handle, black or emergency handle padlockable with up to three padlocks in 0 position
- IP 65 degree of protection
- By toggle padlockable in 0 position (switch SD2)

RANGE COMPOSITION



SD1 3P, 16A - 63A



SD2 3P, 80A - 125A



SD3 3P, 160A



TOGGLE SD2 3P, 80A - 160A

CHANGE-OVER SWITCHES

Change-over switches manually operated suitable for breaking and change-over of two low voltage electrical circuits. They are made by two standard switches of SD2 63A - 125A 3-4 poles series.

Rotary front operation by means of:

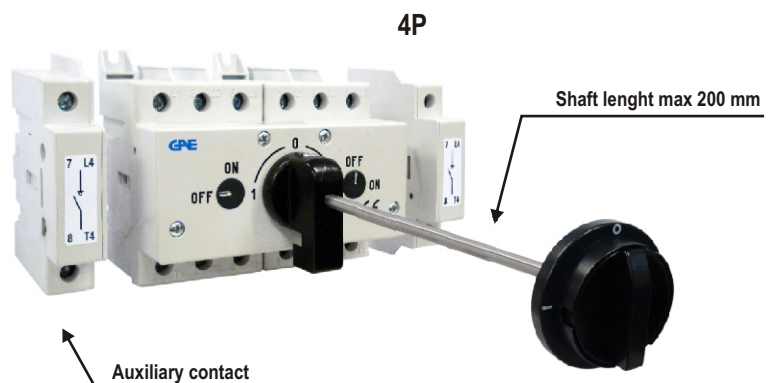
- External double insulated door-interlock handle in I and II position, IP65 degree of protection, padlockable with up to three padlocks in 0 position
- Direct handle standard

CE IEC60947/1-3 C US LISTED



3P

Direct handle standard



4P

Shaft length max 200 mm

Auxiliary contact

Door interlock handle for change-over (1-0-2)

VCP - LOAD BREAK SWITCH

GENERAL CHARACTERISTICS

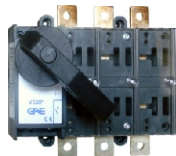
- rated insulation voltage 1000V AC and 1500V DC
- 3-4 poles available
- high breaking capacity (AC-22, AC-23, IEC 60947-3)
- high electrical and mechanical endurance
- double break contacts
- self cleaning contacts
- contact position positively indicated by the handle
- visibility of fixed and moving contacts by means of windows
- independent manual operation
- neutral contact makes earlier and opens later than the phase contacts
- solid neutral version available
- neutral at full current until 1250 A, standard, 1600 A ÷ 3150 A on request

- suitable protection to prevent accidental touching of liveparts
- casing in self-extinguishing (V0-UL94), low hygroscopic and high mechanical resistance isolating material
- resistant to damp heat (IEC 6068-2)
- wide range of accessories
- rotary front operation by means of: 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 on request)

RANGE COMPOSITION



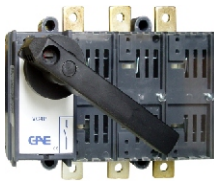
VC1P 3-4P, 32A - 160A



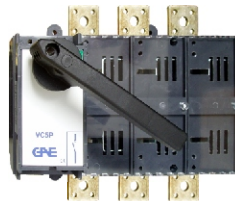
VC2P 3-4P, 160A - 315A



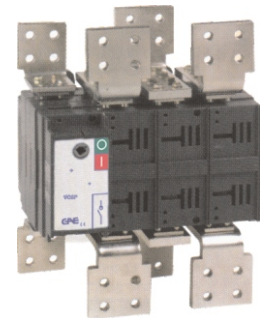
VC3P 3-4P, 315A - 500A



VC4P 3-4P, 630A - 800A



VC5P 3-4P, 800A - 3150A



VC6P 3-4P, 1600A - 3150A

CMA - CHANGE-OVER SWITCHES

GENERAL CHARACTERISTICS

- 3 positions I-0-II
- load break switches vertically or horizontally interlocked
- visibility of fixed and moving contacts by means of windows
- independent fast action operation
- double break contacts
- high breaking capacity (AC-23A IEC 60947-3)
- high electrical and mechanical endurance
- resistant to damp heat (IEC 68-2)

- wide range of accessories
- rotary front operation by means of:
 - external double insulated handle with door interlock in I and II position.
 - IP65 degree of protection. Padlockable with up to three padlocks in 0 position
- version for by-pass available only up to 1250A 35kA
- special executions of 6-8 poles changeover available

RANGE COMPOSITION



CS1P 3-4P, 32A-160A
CS2P 3-4P, 160A - 315A



CS3P 3-4P, 315A - 500A
CS4P 3-4P, 630A - 800A



CS5P 3-4P, 800A - 3150A



CMO - MOTORIZED CHANGE-OVER SWITCHES

The range of motorized change-over switches is made by 14 sizes of switches of current rating from 160A to 3150A, 3-4 poles are available in the "CS" series with switch disconnectors laid one upon the other.

GENERAL CHARACTERISTICS

The motorized change-over switches are made by means of two switch disconnectors of "Visualcompact" series mechanically interlocked.

- Automatic under-load change-over (AC22, AC23) from and to any of positions "1", "0", "2" both electrical and manual (emergency change-over), transfer function with direct transition from position "1" to position "2" and vice versa
- Front display of positions "1", "0", "2" by digital display and/or mechanical indicator (for MS version)
- Safety: locking by padlock preventing any electrical or manual operation, key lock for the selection of electrical or manual operation (on MS series only)
- External signalisation of positions "1", "0" and "2" by a clean contact (no voltage supply)
- Easy and fast electrical connections by means of terminal blocks of quick connection type

RANGE COMPOSITION

The CS series is made by 4 families:

MS, MSX, MSX1, MSY, differentiated between them mainly by the supply voltage and by the display of the position of the change-over switch. The horizontal CO series is made in the MS version only.



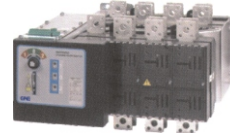
CS2 3-4P, 160A - 315A



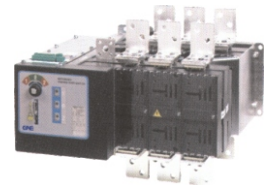
CS3 4P, 315A - 500A



CS4 3-4P, 630A - 800A



CS5 3-4P, 800A - 3150A



CS6 3-4P, 1600A - 3150A



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