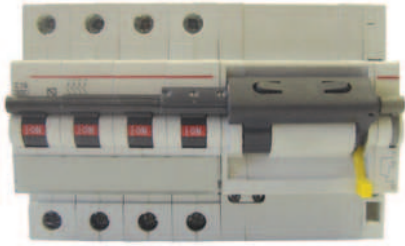


## MOTORIZED MCB MT SERIES



### A.- Operation MT series

**A.1.-** After one disconnection by short circuit, overloads or manual, the MCB can be connected again by an electrical order with the sequence "DISCONNECT (0) - CONNECT (I)..

**A.2.-** The manual switch ③ can be fixed by a padlock (diameter of the pin 6 mm) in the position of ..CONN (I) or ...DISC (O). The pin of the padlock shall be conducted through the orifice ④

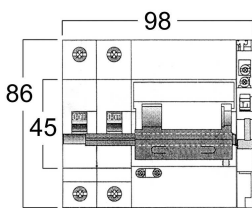
**THE MOTORIZED MCB MT PERMITS TO CANCEL THE FUNCTION OF RECLOSING LOWERING THE YELLOW LEVER (manual switch ③). WHENEVER WE MANIPULATE THE INSTALLATION PROTECTED BY THE MT, WE SHALL CANCEL PREVIOUSLY THE FUNCTION OF RECLOSING LOWERING THE MANUAL SWITCH (yellow lever).**

### A.3- Functions of additional switches.

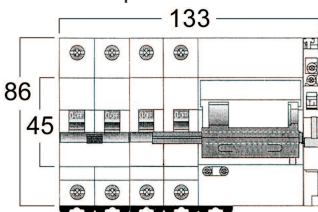
The MT sets are equipped with 2 additional groups of switches, both with the same function: Additional switch (H) that indicates the position of the MCB (connected or disconnected), independent of the tripping cause.

Terminals denomination in the MT :

- H1 : 21, 22, 24
- H2 : 11, 12, 14



2 poles

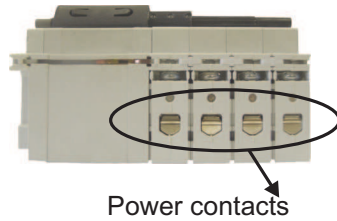


4 poles

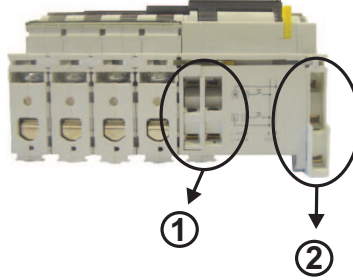


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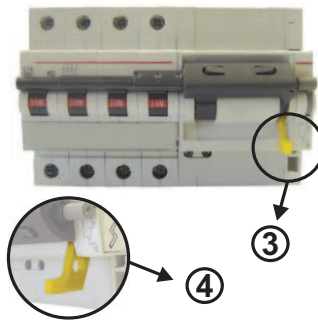


Power contacts



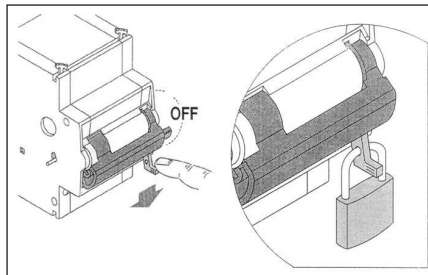
①

②



③

④

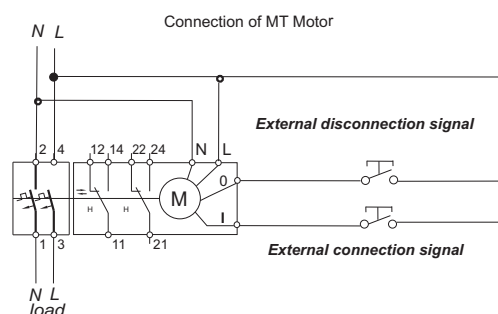


### B.- Characteristics of MT series

- Rated currents  $I_n$  (A) 6 - 10 - 16 - 20 - 25  
32 - 40 - 50 - 63
- Nominal voltage  $U_n$  240 V / 415 Va.c.
- Breaking capacity  $I_{cn}/I_{cs} = 6$  kA (EN 60898)  
 $I_{cu} = 10$  kA (EN 60947-2)  
(On request :  $I_{cn}/I_{cs} = 10$  kA (EN 60898))
- Number of poles 1 / 2 / 3 / 4
- Switching charact. Depends on Curve type
- Frequency 50 / 60 Hz
- Protection IP-40 (DIN 40050)
- Stock temperature  $-55$  °C a  $+55$  °C
- Service temperature  $-25$  °C a  $+55$  °C
- Box colour RAL 7035
- N° operations  $> 20\ 000$

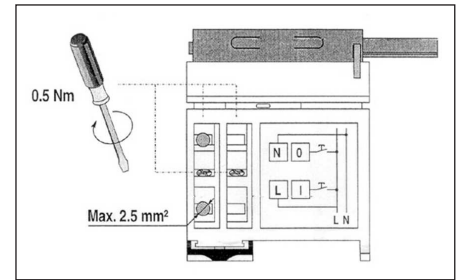
#### Motor:

- Nominal voltage 230 V a.c.
- Minimum voltage 210 V a.c.
- Impulse activation 50 ms
- Impulse disactivation 50 ms



### C.- Functional components

- ① Terminal for motor command:  
N, L (power supply 230 Va.c.)  
I (connect order - ON ),  
0 (disconnect order -OFF )



- ② Terminals for state signaling

- 21, 22, 24
- 11, 12, 14

- ③ Manual switch (yellow lever)

The yellow lever can descend whenever the lever of power is in disconnect position.

- ④ Orifice for padlock

Possibility to fix lowering yellow lever.

### D.- Assembly

Quick system of assembly integrated in the switch MCB E80 on guide DIN-EN 50022/05.78

### E.- Electric connection MT series

( a ) Connection terminals for controlling the working and the output terminal of the MCB switch.

( b ) Connection terminals for auxiliary switch and failure signal, and input terminal for the MCB.

### F.- Auxiliary contact CAD

Device with 2 contacts exchanged, with the function to indicate the state of the MCB (open / closed).

Contacts exchanged:	1
In of power supply:	5 A
$U_n$ in a.c.:	230 V
Electric resistance:	10 000
Terminal size:	2,5 mm <sup>2</sup>
Weight:	80 g
Dimensions:	½ module

#### Application:

Lower auxiliary contact always in H function  
Test button incorporated

