

# Miniature Circuit-Breakers

## Additional Components

### Auxiliary circuit switches/fault signal contacts for 5SY and 5SP4

#### Benefits

- Can be retrofitted individually (for mounting concept, see page 3/57)
- Mounting with factory-fitted brackets
- Short-circuit protection ensured by miniature circuit-breakers, characteristic B or C and  $I_n = 6$  A or fuse gL 6 A
- Wide range of applications due to additional version for controlling programmable controllers (PLCs) according to EN 61131-2
- Can be connected to *instabus* KNX *EIB* and AS-Interface bus over binary inputs

#### Application

- Indication of the miniature circuit-breaker's switching state:
  - AS: ON/OFF
  - FC: tripped

#### Auxiliary circuit switch (AS)

5ST3 013

5ST3 014

5ST3 015

- Area of application 1 mA/5 V DC to 50 mA/30 V DC

#### Auxiliary circuit switches (AS) and fault signal contacts (FC)

5ST3 0.0

5ST3 0.1

5ST3 0.2

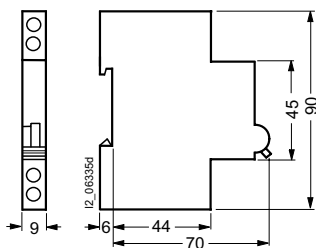
- min. contact load:  
50 mA, 24 V
- max. contact load:  
NO contacts:  
2 A, 400 V AC, AC-14  
6 A, 230 V AC, AC-14  
1 A, 220 V DC, DC-13  
1 A, 110 V DC, DC-13  
3 A, 60 V DC, DC-13  
6 A, 24 V DC, DC-13  
NC contacts:  
2 A, 400 V AC, AC-13  
6 A, 230 V AC, AC-13  
1 A, 220 V DC, DC-13  
1 A, 110 V DC, DC-13  
3 A, 60 V DC, DC-13  
6 A, 24 V DC, DC-13

#### Selection and ordering data

| Version                                                                             |                                                                                        | MW               | Order No.       | Weight<br>1 unit<br>approx.<br>kg  | PS*/<br>P. unit<br>Unit(s) |        |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------|-----------------|------------------------------------|----------------------------|--------|
|   | <b>Auxiliary circuit switches (AS) for 5SY miniature circuit-breakers<sup>1)</sup></b> |                  |                 |                                    |                            |        |
|                                                                                     |     | for small output | 1 NO + 1 NC 0.5 | <b>5ST3 010</b><br><b>5ST3 013</b> | 0.050<br>0.050             | 1<br>1 |
|                                                                                     |     | for small output | 2 NO            | <b>5ST3 011</b><br><b>5ST3 014</b> | 0.050<br>0.050             | 1<br>1 |
|                                                                                     |     | for small output | 2 NC            | <b>5ST3 012</b><br><b>5ST3 015</b> | 0.050<br>0.050             | 1<br>1 |
|                                                                                     | <b>Fault signal contacts (FC) for 5SY miniature circuit-breakers<sup>1)</sup></b>      |                  |                 |                                    |                            |        |
|                                                                                     |     |                  | 1 NO + 1 NC 0.5 | <b>5ST3 020</b>                    | 0.050                      | 1      |
|  |     |                  | 2 NO            | <b>5ST3 021</b>                    | 0.050                      | 1      |
|                                                                                     |     |                  | 2 NC            | <b>5ST3 022</b>                    | 0.050                      | 1      |

1) Not for 5SY6 ...-KV.

#### Dimensional drawings



# Miniature Circuit-Breakers

## Additional Components

### Remote controlled mechanisms for 5SY. and 5SP4

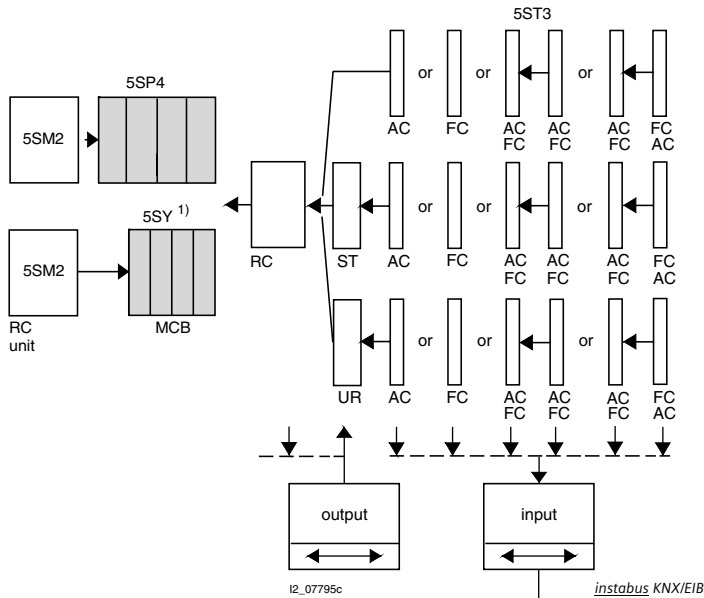
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#### Benefits

- Can be retrofitted individually (for mounting concept, see below)
- Mounting with factory-fitted brackets
- Can be mechanically latched and locked
- Further additional components can be attached
- Function switch on the front
- Can be connected over binary inputs and outputs to *instabus* KNX EIB and AS-Interface
- $U_N = 230$  V, 50 to 60 Hz

#### Mounting concept

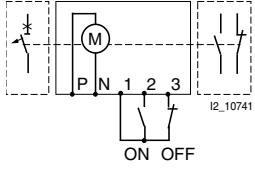
Using this mounting concept, all additional 5ST3 components can be combined with miniature circuit-breaker of the 5SY<sup>1)</sup> and 5SP4 series:



#### Function

- ON/OFF remote control switch of miniature circuit-breaker and ON remote control switch of RC unit
- Remote switching ON is possible following acknowledgment of fault occurrence
- Manual switching on-site possible
- Remote display of switching status of remote controlled mechanisms and miniature circuit-breakers

#### Selection and ordering data

|                                                                                                                                                                                                                                                                              | Rated voltage $U_N$ |     | Order No.       | Weight<br>1 unit<br>approx. | PS*/<br>P. unit |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|-----------------|-----------------------------|-----------------|
|                                                                                                                                                                                                                                                                              | V AC                | MW  |                 | kg                          | Unit(s)         |
|  <p><b>Remote controlled mechanism (RC) for 5SY<sup>1)</sup>, 5SP4 miniature circuit-breakers</b></p>  | 230                 | 3.5 | <b>5ST3 050</b> | 0.395                       | 1               |
|                                                                                                                                                                                                                                                                              |                     |     |                 |                             |                 |

For detailed application information, see manual.

1) Not for 5SY6...-KV.