

CONTACTOR, SIZE 00, 3-POLE AC-3,  
4KW/400V,  
TAB CONNECTOR SCREW MOUNTING (DIAGONAL)  
AUXILIARY CONTACT 10E (1NO) AC OPERATION AC  
230/220V 50HZ,  
276/264V 60HZ

### General details:

|                                                                                                |    |            |
|------------------------------------------------------------------------------------------------|----|------------|
| Size of the contactor                                                                          |    | 0          |
| Protection class IP / on the front                                                             |    | IP00       |
| Ambient temperature / during operating                                                         | °C | 55 ... -25 |
| Reference code / according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |    | K          |
| Reference code / according to DIN EN 61346-2                                                   |    | Q          |

### Main circuit:

|                                                      |    |    |
|------------------------------------------------------|----|----|
| Number of poles / for main current circuit           |    | 3  |
| Operating current / at AC-1 / at 400 V               |    |    |
| • at 40 °C ambient temperature / rated value         | A  | 16 |
| Number of NC contacts / for main contacts            |    | 0  |
| Number of NO contacts / for main contacts            |    | 3  |
| Operating current / at AC-3 / at 400 V / rated value | A  | 9  |
| Operating performance                                |    |    |
| • at AC-3 / at 400 V / rated value                   | kW | 4  |
| • at AC-1 / at 400 V / rated value                   | kW | 10 |

### Control circuit:

|                                                   |    |              |
|---------------------------------------------------|----|--------------|
| Design of activation / of the operating mechanism |    | conventional |
| Voltage type / of control feed voltage            |    | AC           |
| Control supply voltage frequency                  |    |              |
| • 1 / rated value                                 | Hz | 50           |
| • 2 / rated value                                 | Hz | 60           |
| Control supply voltage                            |    |              |
| • at 50 Hz / at AC / rated value                  | V  | 230          |
| • at 60 Hz / at AC / rated value                  | V  | 277          |

### Auxiliary circuit:

|                                                |  |  |
|------------------------------------------------|--|--|
| Number of NC contacts / for auxiliary contacts |  |  |
|------------------------------------------------|--|--|

|                                                       |   |
|-------------------------------------------------------|---|
| • lagging switching                                   | 0 |
| • instantaneous switching                             | 0 |
| <b>Number of NO contacts / for auxiliary contacts</b> |   |
| • leading switching                                   | 0 |
| • instantaneous switching                             | 1 |

#### Connection type:

|                                                                |  |                      |
|----------------------------------------------------------------|--|----------------------|
| <b>Design of the electrical connection</b>                     |  |                      |
| • for main current circuit                                     |  | tab terminals 6,3 mm |
| • for auxiliary and control current circuit                    |  | tab terminals 6.3 mm |
| <b>Identification number and letter for switching elements</b> |  | 10 E                 |

#### Mechanical design:

|                                            |    |              |
|--------------------------------------------|----|--------------|
| <b>Mounting type</b>                       |    | screw fixing |
| <b>Mounting type / series installation</b> |    | Yes          |
| <b>Width</b>                               | mm | 50           |
| <b>Height</b>                              | mm | 36           |
| <b>Depth</b>                               | mm | 60           |

#### Certificates/approvals:

|                                                                                                                                                                                                                                                                                                                                                                            |                                                                 |                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------|
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                            | <b>Functional Safety / Safety of Machinery</b>                  | <b>Test Certificates</b>                    |
| <br>CCC <br>CSA <br>EAC <br>UL | <a href="#">Type Examination</a>                                | <a href="#">Special Test Certificate</a>    |
| <b>Shipping Approval</b>                                                                                                                                                                                                                                                                                                                                                   | <b>other</b>                                                    |                                             |
| <br>DNV <br>GL <br>RMRS                                                                                           | <a href="#">Declaration of Conformity</a> <a href="#">other</a> | <a href="#">Environmental Confirmations</a> |

#### Further information:

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

##### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

##### Cax online generator:

<http://www.siemens.com/cax>

##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3TF2010-7AP0/all>

##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TF2010-7AP0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TF2010-7AP0)

last change:

Jul 21, 2014