



CONTACTOR, SIZE 00, 3-POLE AC-3,  
2.2KW/400V, SCREW TERMINAL AUXILIARY CONTACT  
10E (1NO) AC OPERATION AC 230V 50/60HZ

### General details:

|                                                                                                |    |            |
|------------------------------------------------------------------------------------------------|----|------------|
| Size of the contactor                                                                          |    | 0          |
| Protection class IP / on the front                                                             |    | IP20       |
| 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  | 5   |
| Operating performance                                |    |     |
| • at AC-3 / at 400 V / rated value                   | kW | 2.2 |
| • at AC-1 / at 400 V / rated value                   | kW | 10  |

### Control circuit:

|                                                   |  |              |
|---------------------------------------------------|--|--------------|
| Design of activation / of the operating mechanism |  | conventional |
|---------------------------------------------------|--|--------------|

|                                               |    |     |
|-----------------------------------------------|----|-----|
| <b>Voltage type / of control feed voltage</b> |    | AC  |
| <b>Control supply voltage frequency</b>       |    |     |
| • 1 / rated value                             | Hz | 50  |
| • 2 / rated value                             | Hz | 60  |
| <b>Control supply voltage</b>                 |    |     |
| • at 50 Hz / at AC / rated value              | V  | 230 |
| • at 60 Hz / at AC / rated value              | V  | 230 |

#### Auxiliary circuit:

|                                                       |  |   |
|-------------------------------------------------------|--|---|
| <b>Number of NC contacts / for auxiliary contacts</b> |  |   |
| • 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                                     |  | screw-type terminals |
| • for auxiliary and control current circuit                    |  | screw-type terminals |
| <b>Identification number and letter for switching elements</b> |  | 10 E                 |

#### Mechanical design:

|                                            |    |                                                                                        |
|--------------------------------------------|----|----------------------------------------------------------------------------------------|
| <b>Mounting type</b>                       |    | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| <b>Mounting type / series installation</b> |    | Yes                                                                                    |
| <b>Width</b>                               | mm | 45                                                                                     |
| <b>Height</b>                              | mm | 48                                                                                     |
| <b>Depth</b>                               | mm | 68                                                                                     |

#### Certificates/approvals:

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

#### Further information:

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

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

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**Industry Mall (Online ordering system)**

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

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**Cax online generator:**

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

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

<http://support.automation.siemens.com/WW/view/en/3TF2810-0AL2/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TF2810-0AL2](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TF2810-0AL2)

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**last change:**

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