



AC-1 CONTACTOR, 4-POLE, 300 A,  
MAIN CONTACTS 4 NO,  
AUXILIARY CONTACTS 2NO+2NC,  
AC OPERATION AC 110V 50HZ/AC 120V 60HZ

### General details:

|                                                                                                |    |             |
|------------------------------------------------------------------------------------------------|----|-------------|
| Protection class IP / on the front                                                             |    | IP00        |
| Ambient temperature / during operating                                                         | °C | -25 ... +55 |
| 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           |
| Number of poles / for main current circuit                                                     |    | 4           |
| Operating current / at AC-1 / at 400 V                                                         |    |             |
| • at 40 °C ambient temperature / rated value                                                   | A  | 300         |

### Main circuit:

|                                                      |    |     |
|------------------------------------------------------|----|-----|
| Number of NC contacts / for main contacts            |    | 0   |
| Number of NO contacts / for main contacts            |    | 4   |
| Operating current / at AC-3 / at 400 V / rated value | A  | 210 |
| Operating performance                                |    |     |
| • at AC-3 / at 400 V / rated value                   | kW | 110 |
| • at AC-1 / at 400 V / rated value                   | kW | 195 |

### Control circuit:

|                                                   |  |              |
|---------------------------------------------------|--|--------------|
| Design of activation / of the operating mechanism |  | conventional |
| Voltage type / of control feed voltage            |  | AC           |

|                                                                                                                   |    |     |
|-------------------------------------------------------------------------------------------------------------------|----|-----|
| <b>Control supply voltage frequency</b><br><br>• 1 / rated value<br><br>• 2 / rated value                         | Hz | 50  |
|                                                                                                                   | Hz | 60  |
| <b>Control supply voltage</b><br><br>• at 50 Hz / at AC / rated value<br><br>• at 60 Hz / at AC / rated value     | V  | 110 |
|                                                                                                                   | V  | 120 |
| <b>Number of NC contacts / for auxiliary contacts</b><br><br>• lagging switching<br><br>• instantaneous switching |    | 0   |
|                                                                                                                   |    | 2   |
| <b>Number of NO contacts / for auxiliary contacts</b><br><br>• leading switching<br><br>• instantaneous switching |    | 0   |
|                                                                                                                   |    | 2   |

#### Auxiliary circuit:

|                                                                                        |  |                      |
|----------------------------------------------------------------------------------------|--|----------------------|
| <b>Design of the electrical connection / for main current circuit</b>                  |  | screw-type terminals |
| <b>Design of the electrical connection / for auxiliary and control current circuit</b> |  | screw-type terminals |
| <b>Identification number and letter for switching elements</b>                         |  | 22                   |

#### Mechanical design:

|                                            |    |              |
|--------------------------------------------|----|--------------|
| <b>Mounting type</b>                       |    | screw fixing |
| <b>Mounting type / series installation</b> |    | Yes          |
| <b>Width</b>                               | mm | 225          |
| <b>Height</b>                              | mm | 198          |
| <b>Depth</b>                               | mm | 172          |

#### Certificates/approvals:

| General Product Approval                                                            |                                                                                     | Test Certificates                                                                   | other                                    |                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------|
|  |  |  | <a href="#">Special Test Certificate</a> | <a href="#">Declaration of Conformity</a>   |
| CCC                                                                                 |                                                                                     | UL                                                                                  |                                          | <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/3TK1242-0AF0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TK1242-0AF0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TK1242-0AF0)

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