



CONTACTOR RELAY 53E EN 50 011 5NO+3NC,  
SCREW TERMINALS AC OPERATION AC 120V 60HZ/AC  
110V 50HZ

| General details:                                                                |    |             |
|---------------------------------------------------------------------------------|----|-------------|
| Size of the contactor                                                           |    | 0           |
| Ambient temperature                                                             |    |             |
| • during operating                                                              | °C | -25 ... +55 |
| Protection class IP / on the front                                              |    | IP20        |
| Reference code                                                                  |    |             |
| • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750 |    | K           |
| • according to DIN EN 61346-2                                                   |    | K           |
| • according to DIN EN 81346-2                                                   |    | K           |

| Control circuit:                       |    |     |
|----------------------------------------|----|-----|
| Voltage type / of control feed voltage |    | AC  |
| Control supply voltage frequency       |    |     |
| • 1                                    | Hz | 50  |
| • 2                                    | Hz | 60  |
| Control supply voltage                 |    |     |
| • at 50 Hz / at AC / rated value       | V  | 110 |
| • at 60 Hz / at AC / rated value       | V  | 120 |

| Auxiliary circuit: |  |  |
|--------------------|--|--|
|--------------------|--|--|

|                                                                                                                                 |   |      |
|---------------------------------------------------------------------------------------------------------------------------------|---|------|
| <b>Operating current / at AC-15</b><br>• at 230 V / rated value<br>• at 400 V / rated value                                     | A | 10   |
|                                                                                                                                 | A | 6    |
| <b>Identification number and letter for switching elements</b>                                                                  |   | 53 E |
| <b>Number of NC contacts / for auxiliary contacts</b><br>• lagging switching<br>• delayed switching<br>• asynchronous switching |   | 3    |
|                                                                                                                                 |   | 0    |
|                                                                                                                                 |   | 0    |
|                                                                                                                                 |   | 0    |
| <b>Number of NO contacts / for auxiliary contacts</b><br>• leading switching<br>• delayed switching<br>• asynchronous switching |   | 5    |
|                                                                                                                                 |   | 0    |
|                                                                                                                                 |   | 0    |
|                                                                                                                                 |   | 0    |
| <b>Number of changeover contacts / for auxiliary contacts</b>                                                                   |   | 0    |

#### Connection type:

**Design of the electrical connection / for auxiliary and control current circuit**

screw-type terminals

#### Mechanical design:

**Mounting type**

screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022

**Width**

mm 45

**Height**

mm 78

**Depth**

mm 102

#### Certificates/approvals:

**General Product Approval**

**Functional Safety / Safety of Machinery**



CCC



CSA



UL

[Type Examination](#)

#### Test Certificates

[other](#)

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)

#### Shipping Approval



DNV



GL



LRS



RMRS

**other**

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

#### Safety:

|                                                                                                                                    |   |                                        |
|------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------|
| <b>Protection against electrical shock</b>                                                                                         |   | finger-safe                            |
| <b>B10 value / with high demand rate</b> <ul style="list-style-type: none"> <li>• according to SN 31920</li> <li>• note</li> </ul> |   | 1,000,000<br>With 0.3 x I <sub>e</sub> |
| <b>T1 value / for proof test interval or service life / according to IEC 61508</b>                                                 | a | 20                                     |

#### 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/3TH4253-0AK6/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3TH4253-0AK6](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3TH4253-0AK6)

last change:

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