



Figure similar

contactor relay, 53E, EN 50011, 5 NO + 3 NC, screw terminal AC operation 230 V AC 50/60 Hz

<b>product designation</b>	Auxiliary contactor
<b>product type designation</b>	3TH4
<b>size of contactor</b>	0
<b>reference code according to IEC 81346-2</b>	K
<b>Substance Prohibition (Date)</b>	12/31/2099
<b>Weight</b>	0.417 kg
ambient temperature during operation	-25 ... +55 °C
<b>type of voltage of the control supply voltage</b>	AC
<b>control supply voltage at AC</b>	
• at 50 Hz rated value	230 V
• at 60 Hz rated value	230 V
<b>control supply voltage frequency</b>	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
<b>number of NC contacts for auxiliary contacts</b>	3
• delayed switching	0
• lagging switching	0
• make-before-break switching	0
<b>number of NO contacts for auxiliary contacts</b>	5
• delayed switching	0
• leading contact	0
• make-before-break switching	0
number of CO contacts for auxiliary contacts	0
<b>identification number and letter for switching elements</b>	53 E
<b>operational current at AC-15</b>	
• at 230 V rated value	10 A
• at 400 V rated value	6 A
<b>fastening method</b>	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 50022
<b>height</b>	78 mm
<b>width</b>	45 mm
<b>depth</b>	102 mm
type of electrical connection for auxiliary and control circuit	screw-type terminals
<b>Safety related data</b>	
product function positively driven operation according to IEC 60947-5-1	Yes
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000; With 0.3 x I <sub>e</sub>
IEC 61508	
<b>T1 value</b>	

• for proof test interval or service life according to IEC 61508

20 a

Electrical Safety

protection class IP on the front according to IEC 60529

IP00; IP20 with screws tightened, even for contacts not in use

### Approvals Certificates

#### General Product Approval



KC



#### Functional Safety

#### Test Certificates

#### other

[Type Examination Certificate](#)

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

[Miscellaneous](#)



#### other

#### Railway

#### Environment

[Confirmation](#)

[Special Test Certificate](#)

[Environmental Confirmations](#)

### Further information

#### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

#### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

<https://www.siemens.com/ic10>

#### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH4253-0AL2>

#### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH4253-0AL2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4253-0AL2>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH4253-0AL2&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH4253-0AL2&lang=en)

#### Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4253-0AL2/char>

#### Further characteristics (e.g. electrical endurance, switching frequency)

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH4253-0AL2&objecttype=14&gridview=view1>



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