



Figure similar

contactor relay, 80E, EN 50011, for railway applications 8 NO, screw terminal connected to varistor 110 V DC operating range 0.7...1.25xUs

<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>	03/01/2017
<b>Weight</b>	0.66 kg
ambient temperature during operation	-40 ... +70 °C
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC rated value</b>	110 V
<b>design of the surge suppressor</b>	with varistor
<b>number of NC contacts for auxiliary contacts</b>	0
• delayed switching	0
• lagging switching	0
• make-before-break switching	0
<b>number of NO contacts for auxiliary contacts</b>	8
• 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>	80 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>	135 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	
<b>protection class IP on the front according to IEC 60529</b>	IP00; IP20 with screws tightened, even for contacts not in use
<b>Approvals Certificates</b>	

General Product Approval



KC



Functional Safety		Test Certificates			other
<a href="#">Type Examination Certificate</a>	<a href="#">Miscellaneous</a>	<a href="#">Special Test Certificate</a>	<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Miscellaneous</a>	
other	Railway	Environment			
<a href="#">Confirmation</a>	<a href="#">Special Test Certificate</a>	<a href="#">Environmental Confirmations</a>			

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=3TH4280-0LF4>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH4280-0LF4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4280-0LF4>

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

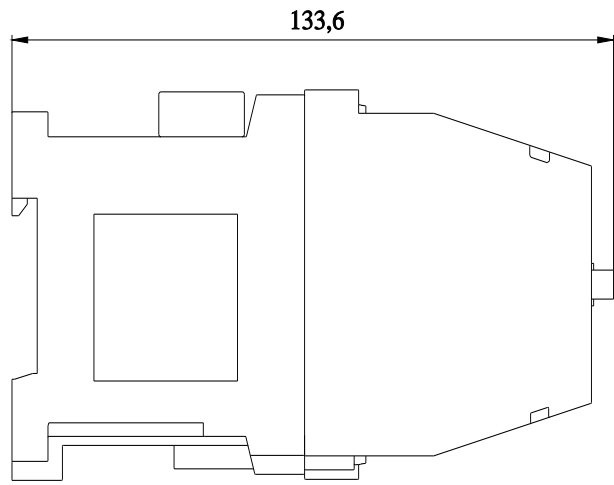
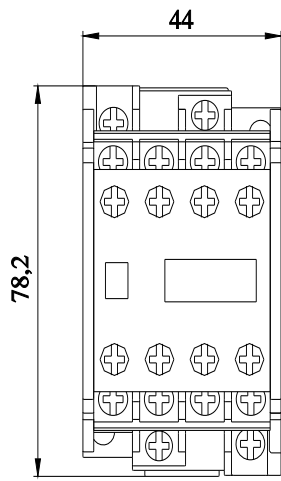
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3TH4280-0LF4&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH4280-0LF4&lang=en)

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TH4280-0LF4/char>

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

<https://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TH4280-0LF4&objecttype=14&gridview=view1>



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