

3DI/LC module (connection terminals) for ET 200SP motor starter



Product brand name	SIMATIC
(product category)	Accessories
Product designation	3DI/LC control module
Design of the product	Accessories
Product type designation	ET 200SP

General technical data	
<ul style="list-style-type: none"> <li>(product function)</li> </ul>	Accessories
<ul style="list-style-type: none"> <li>Product function with 24 V encoder supply</li> <li>Short-circuit protection</li> </ul>	Yes
Diagnostics function Short-circuit detection	Yes
Display version for diagnostic function: Status display transmission channel channel status LED	Yes
<ul style="list-style-type: none"> <li>Note</li> </ul>	Green LED
Degree of pollution	2
Protection class IP	IP20
Shock resistance	6g / 11 ms
Protection against electrical shock	finger-safe
Product function Short circuit protection	Yes

### Inputs/ Outputs

<b>Product function</b>	
<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• at the standard inputs at rated input voltage parameterizable input delay time</li> </ul>	No
<b>Input delay time at the standard inputs</b>	
<ul style="list-style-type: none"> <li>• for signal &lt;0&gt; to &lt;1&gt; at rated input voltage</li> </ul>	10 ... 15 ms
<ul style="list-style-type: none"> <li>• for signal &lt;1&gt; to &lt;0&gt; at rated input voltage</li> </ul>	10 ... 15 ms
<b>Number of digital inputs</b>	4
<ul style="list-style-type: none"> <li>• Note</li> </ul>	Inputs 1-3 parameterizable; input 4 (LC) for local control
<b>Digital input version</b>	
<ul style="list-style-type: none"> <li>• Type 1 acc. to IEC 61131</li> </ul>	Yes
<b>Value range of the input voltage at digital input for signal &lt;0&gt; detection</b>	-30 ... +5 V
<b>Value range of the input voltage at digital input for signal &lt;1&gt; detection</b>	+15 ... +30 V
<b>Input current at digital input</b>	
<ul style="list-style-type: none"> <li>• for signal &lt;1&gt; typical</li> </ul>	9 mA
<b>Type of output voltage for encoder supply</b>	DC
<b>Output voltage for encoder supply minimum</b>	19.2 V
<b>Output current for encoder supply at 60 °C maximum</b>	0.1 A
<b>Wire length of sensor maximum</b>	30 m






<b>Installation/ mounting/ dimensions</b>	
<ul style="list-style-type: none"> <li>• (mounting position)</li> </ul>	vertical, horizontal, flat
<ul style="list-style-type: none"> <li>• (mounting type)</li> </ul>	Can be plugged onto motor starters
<b>(height)</b>	54.5 mm
<b>Width</b>	30 mm
<b>Depth</b>	42.3 mm

<b>Ambient conditions</b>	
<b>Installation altitude at height above sea level</b>	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	2 000 m
<b>Ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-25 ... +60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +70 °C
<b>Relative humidity during operation</b>	10 ... 95 %
<b>Air pressure</b>	
<ul style="list-style-type: none"> <li>• acc. to SN 31205</li> </ul>	900 ... 1 060 hPa

<b>Connections/Terminals</b>	
<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• for auxiliary and control current circuit</li> </ul>	PUSH-IN connection (spring-loaded connection)
<b>Connectable conductor cross-section for auxiliary contacts</b>	

<ul style="list-style-type: none"> <li>• single or multi-stranded</li> </ul>	0.2 ... 1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded with core end processing</li> </ul>	0.25 ... 1.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded without core end processing</li> </ul>	0.2 ... 1.5 mm <sup>2</sup>
<b>AWG number as coded connectable conductor cross section</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	24 ... 16
<b>Shape of the screwdriver tip</b>	Slot
<b>Size of the screwdriver tip</b>	Standard screwdriver 0.6 mm x 3.5 mm

#### Certificates/approvals

General Product Approval		EMC	Declaration of Conformity	
				
CSA	UL		C-Tick	EG-Konf.

[Miscellaneous](#)

Test Certificates	Marine / Shipping	other	
<a href="#">Type Test Certificates/Test Report</a>			
	ABS	LRS	DNVGL.COM/AF

[Confirmation](#)

#### Further information

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

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

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1908-1AA00-0BP0>

##### Cax online generator

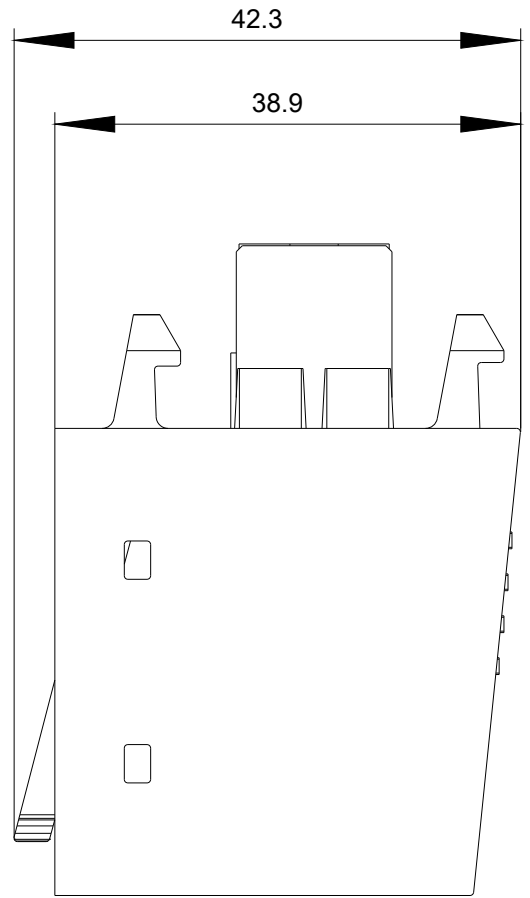
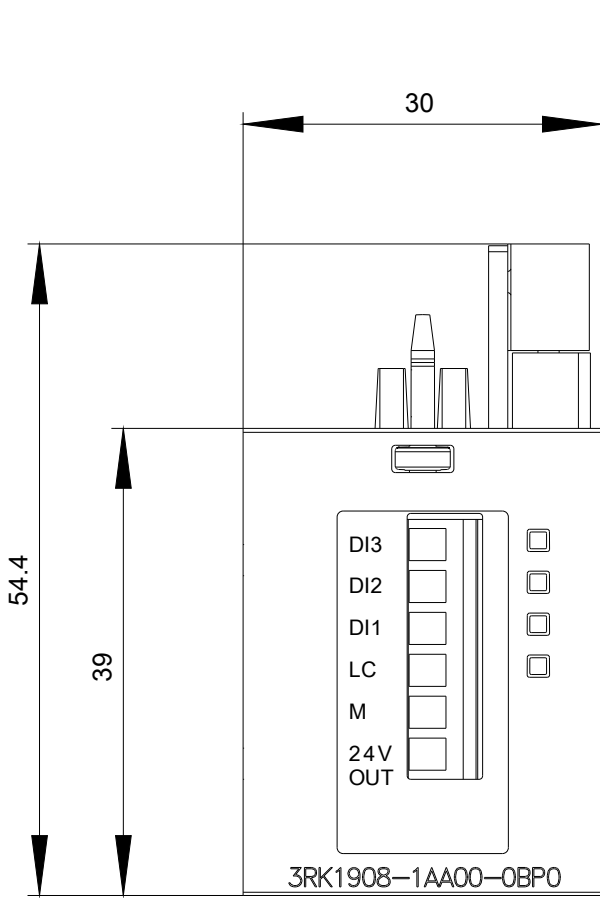
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1908-1AA00-0BP0>

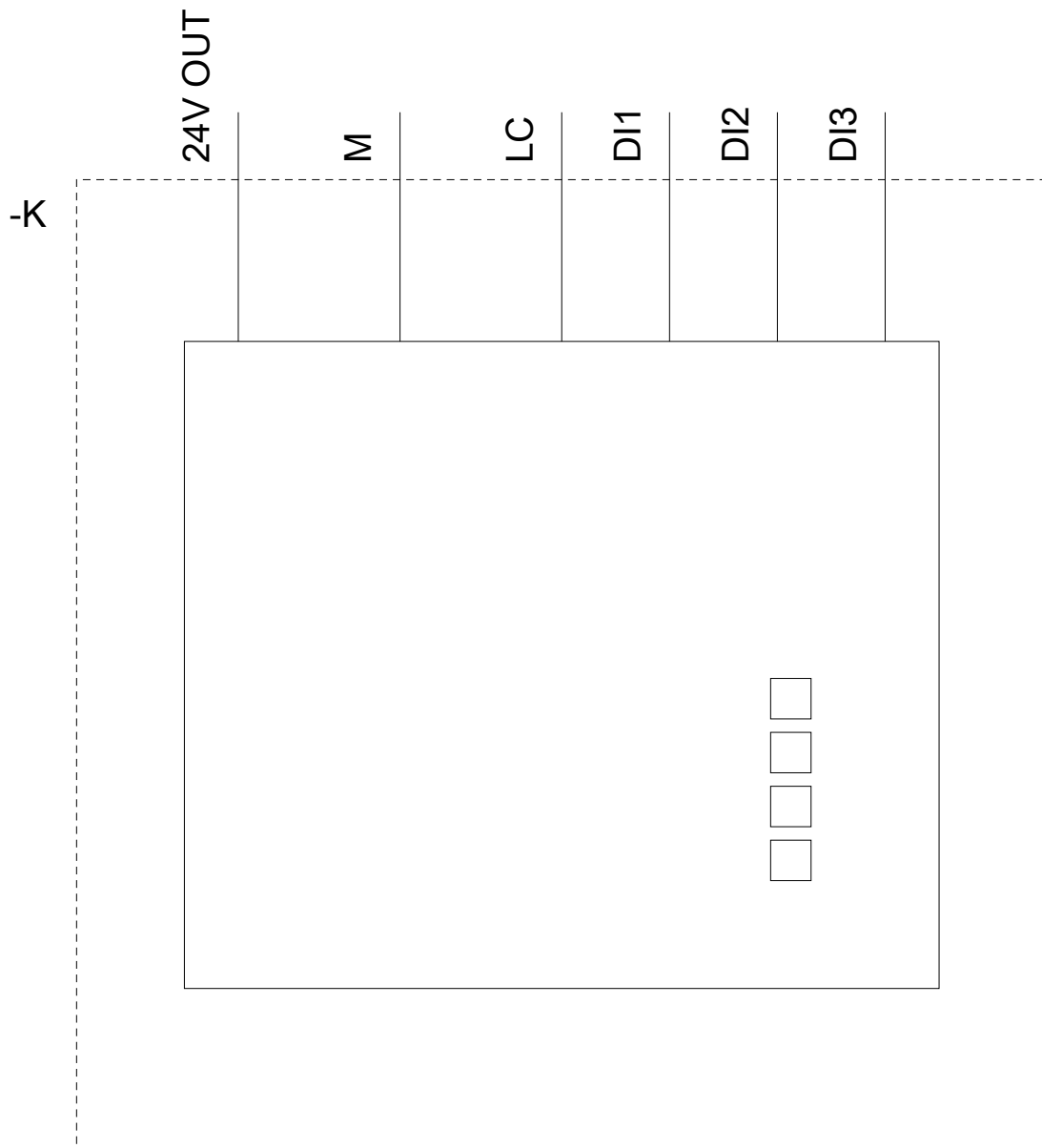
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1908-1AA00-0BP0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1908-1AA00-0BP0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1908-1AA00-0BP0&lang=en)





last modified:

04/18/2019