



AS-i data decoupler 1 x 4 A Spring-type terminals, AS-i single Data decoupling module IP20, SlimLine S22.5 spring-type terminals Overall width module 22.5 mm IN: 24 V / 30 V DC OUT: 1 x AS-i, 4 A Integrated overload protection Integrated ground fault detection Signaling contact Remote reset

General technical data		
Product designation		Single data decoupling module
Design of the product		SlimLine S22.5 - Module to be used in the IP20 control cabinet
Protection class IP		IP20
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	-25 ... +70
• during storage	°C	-40 ... +85
Relative humidity at 25 °C during operation maximum	%	70
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		A
Supplied active power	W	120
Mechanical service life (switching cycles) of the signaling contacts typical		1 000 000
Product function		
• Auto-reset		No

<ul style="list-style-type: none"> <li>• External reset</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• Manual RESET</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• Ground fault detection</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• Test function of signaling contacts</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• suitable for grounded AS-i networks</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• adapted for non-grounded AS-i networks</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• suitable for AS-i Power24V</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• sequential connected time-delay</li> </ul>		No
<ul style="list-style-type: none"> <li>• AS-Interface data decoupling</li> </ul>		Yes
<b>Reset function</b>		yes
adjustable pick-up value current of the current-dependent overload release	A	2.5 ... 4
<b>Number of electrical connections for signaling contact</b>		2
<b>Number of outputs for AS Interface maximum</b>		1
<b>Display version as status display by LED</b>		yes
<b>Number of switching contacts as NO contact for signaling function</b>		1
<b>Design of the switching contact as NO contact for signaling function</b>		yes

#### Communication/ Protocol

<b>Protocol is supported AS-Interface protocol</b>		Yes
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#### Auxiliary circuit

Operating current of auxiliary contacts		
<ul style="list-style-type: none"> <li>• at AC-15 at 24 V</li> </ul>	A	3
<ul style="list-style-type: none"> <li>• at DC-13 at 24 V</li> </ul>	A	1

#### Inputs/ Outputs

<b>Type of voltage</b>		
<ul style="list-style-type: none"> <li>• of the input voltages</li> </ul>		DC
<ul style="list-style-type: none"> <li>• of the input voltage</li> </ul>		DC
<b>Property of the output Short-circuit proof</b>		Yes
<b>Output voltage</b>		
<ul style="list-style-type: none"> <li>• 1 at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul>	V	30
<ul style="list-style-type: none"> <li>— rated value</li> </ul>	V	20.5 ... 31.6
<ul style="list-style-type: none"> <li>• 2 at DC rated value</li> </ul>	V	24
<b>Output current at DC maximum</b>	A	4
<b>Input voltage</b>		
<ul style="list-style-type: none"> <li>• 1 at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul>	V	30
<ul style="list-style-type: none"> <li>— rated value</li> </ul>	V	21 ... 32
<ul style="list-style-type: none"> <li>• 2 at DC rated value</li> </ul>	V	24

Input current at DC maximum	A	4.1
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### Short-circuit protection

Design of short-circuit protection		electronic
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### Installation/ mounting/ dimensions

Mounting position		vertical
Mounting type		35-mm DIN rail mounting or wall mounting with plug-in flaps
Width	mm	22.5
Height	mm	104.9
Depth	mm	121.2
Type of electrical connection for auxiliary and control current circuit		spring-loaded terminals
Product function removable terminal for auxiliary and control circuit		Yes
Type of connectable conductor cross-sections		
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— finely stranded <ul style="list-style-type: none"> <li>— with core end processing</li> <li>— without core end processing</li> </ul> </li> </ul> </li> <li>• at AWG conductors for auxiliary contacts</li> </ul>		2x (0.25 ... 1.5 mm <sup>2</sup> )  2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (0.25 ... 1.5 mm <sup>2</sup> ) 2x (24 ... 16)
Certificate of suitability		CE / UL / CSA
Suitability for use safety-related circuits		Yes

### Certificates/ approvals

General Product Approval	EMC	Declaration of Conformity
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[Miscellaneous](#)

Shipping Approval	other
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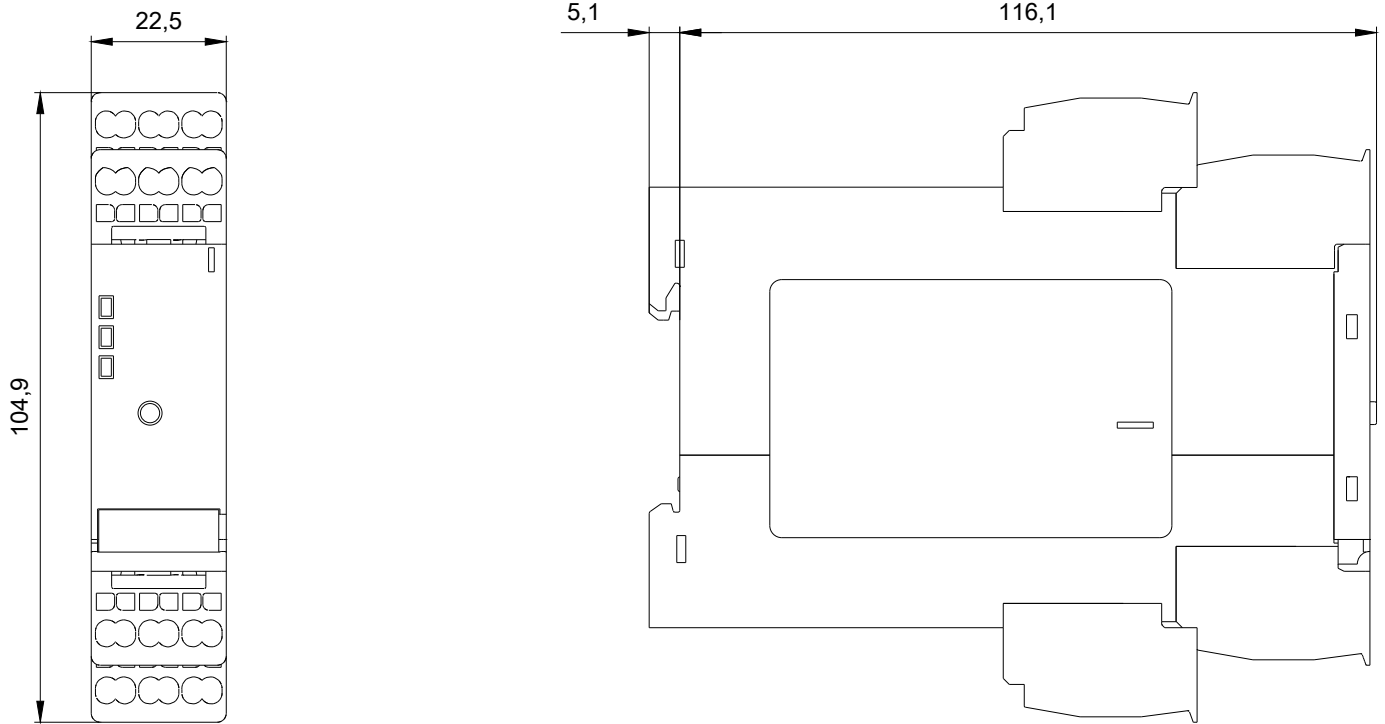
[Confirmation](#)

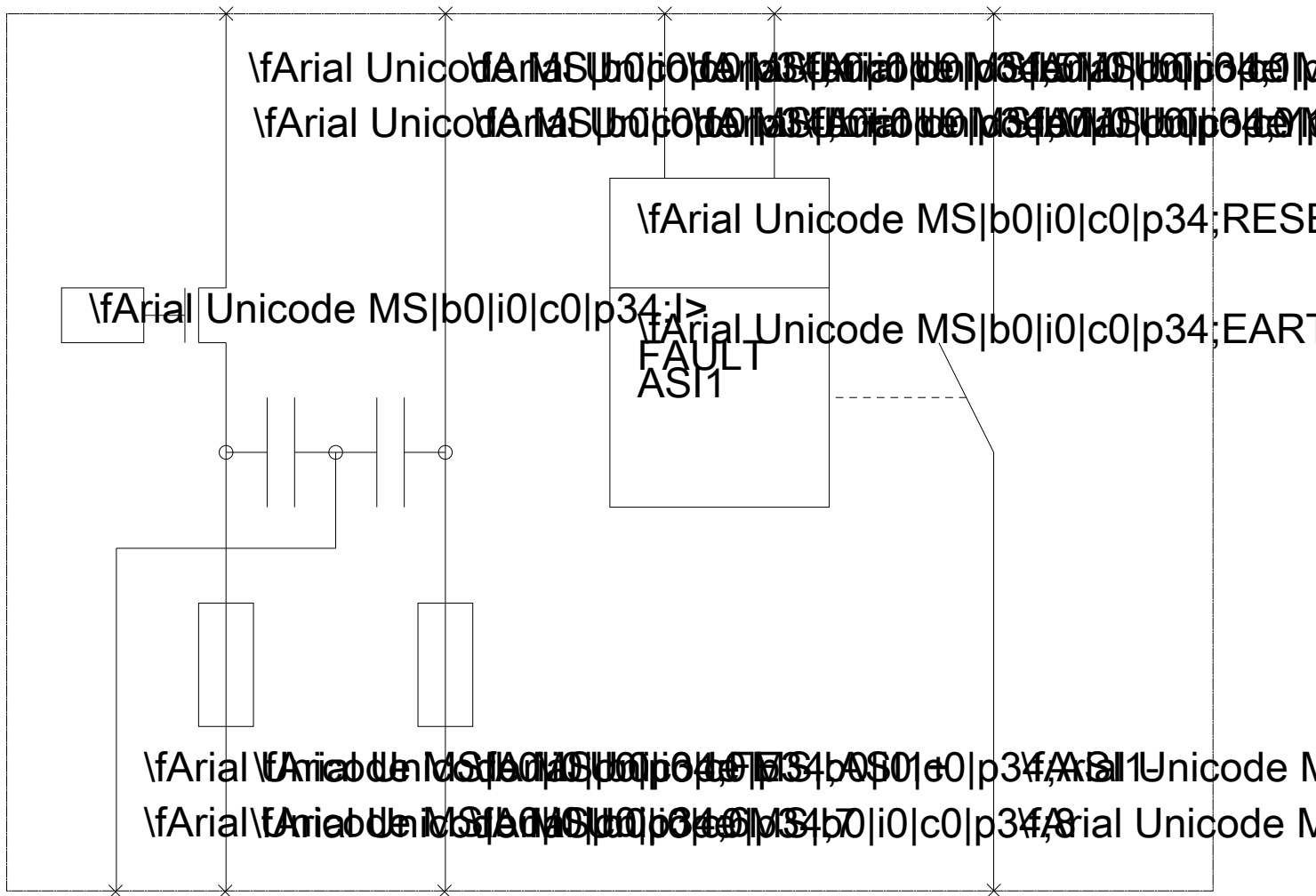
### Further information

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=3RK1901-1DG12-1AA0>

Cax online generator  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1901-1DG12-1AA0>





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