## **SIEMENS**

Data sheet 3UF7510-1AA00-0



Ground fault module with analog residual current detection for connection of a residual-current transformer 3UL23, max. 1 ground fault module per, for SIMOCODE pro V basic unit

product brand name	SIRIUS
product designation	ground fault modules
manufacturer's article number	
• 1 of residual current transformer connectable	<u>3UL2302-1A</u>
• 2 of residual current transformer connectable	<u>3UL2303-1A</u>
• 3 of residual current transformer connectable	<u>3UL2304-1A</u>
<ul> <li>4 of residual current transformer connectable</li> </ul>	<u>3UL2305-1A</u>
• 5 of residual current transformer connectable	<u>3UL2306-1A</u>
<ul> <li>6 of residual current transformer connectable</li> </ul>	<u>3UL2307-1A</u>
General technical data	
product component	
<ul> <li>input for thermistor connection</li> </ul>	No
<ul> <li>input for analog temperature sensors</li> </ul>	No
input for ground fault detection	Yes
consumed active power	0.1 W
shock resistance according to IEC 60068-2-27	15g / 11 ms
vibration resistance according to IEC 60068-2-6	1 6 Hz: 15 mm, 6 500 Hz: 2g
reference code according to IEC 81346-2	В
reference code according to IEC 81346-2:2019	В
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	0.129 kg
measurable line frequency initial value	400 Hz
measurable line frequency full-scale value	16 Hz
Electromagnetic compatibility	
EMC emitted interference according to IEC 60947-1	class A
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3
conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	1 kV
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	10 V
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
field-bound HF interference emission according to CISPR11	corresponds to degree of severity A
Inputs/ Outputs	
number of inputs	1
number of digital inputs	0

number of analog inputs	1
number of sensor inputs for ground fault detection	1
number of outputs	0
number of semiconductor outputs	0
number of outputs as contact-affected switching element	0
number of analog outputs	0
rotective and monitoring functions	
type of current for monitoring	AC and pulse-shaped direct currents (type A)
response time maximum	100 ms
relative measurement deviation of residual current	2.5 %
transformer	
stallation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	92 mm
width	22.5 mm
depth	124 mm
required spacing	
• top	40 mm
• bottom	40 mm
• left	0 mm
• right	0 mm
diameter of inlet opening of connectable residual current transformer	35 210 mm
onnections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 4.0mm²), 2x (0.5 2.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
for AWG cables solid	1x (20 14), 2x (20 16)
for AWG cables stranded	1x (20 12), 2x (20 14)
tightening torque with screw-type terminals	0.8 1.2 N·m
tightening torque [lbf-in] with screw-type terminals	7 10.3 lbf·in
mbient conditions	
installation altitude at height above sea level	
• 1 maximum	2 000 m
• 2 maximum	3 000 m; max. +50 °C (no protective separation)
• 3 maximum	
ambient temperature	4 000 m; max. +40 °C (no protective separation)
	25 ±60 °C
during operation	-25 +60 °C
during storage	-40 +80 °C
during transport	-40 +80 °C
<ul><li>environmental category</li><li>during operation according to IEC 60721</li></ul>	3K6 (no formation of ice, no condensation, relative humidity 10 95%), 3C3
during storage according to IEC 60721	(no salt mist), 3S2 (sand must not get into the devices), 3M6  1K6 (no condensation, relative humidity 10 95%), 1C2 (no salt mist), 1S2
e during transport according to IEC 60704	(sand must not get into the devices), 1M4
during transport according to IEC 60721  relative hymidity during apparation.	2K2, 2C1, 2S1, 2M2
relative humidity during operation	5 95 %
Electrical Safety	E
touch protection against electrical shock	finger-safe
alvanic isolation	
(electrically) protective separation according to IEC 60947-1	All circuits with protective separation (double creepage paths and clearance the information in the "Protective Separation" test report, No. 2668, must be observed.
pprovals Certificates	
	EMV













EMV Test Certificates Maritime application

<u>KC</u>

Type Test Certificates/Test Report









other

other

Environment

**Industrial Communication** 

Confirmation



Environmental Confirmations



Profibus

## **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=3UF7510-1AA00-0

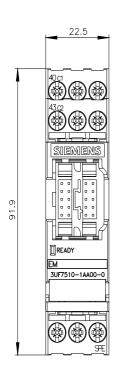
Cax online generator

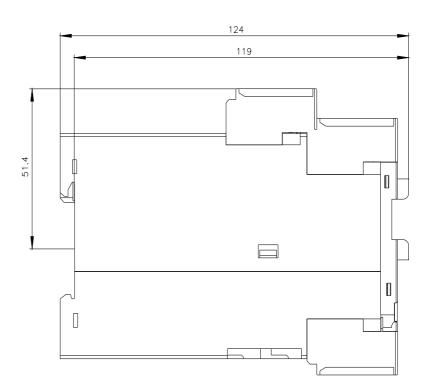
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UF7510-1AA00-0

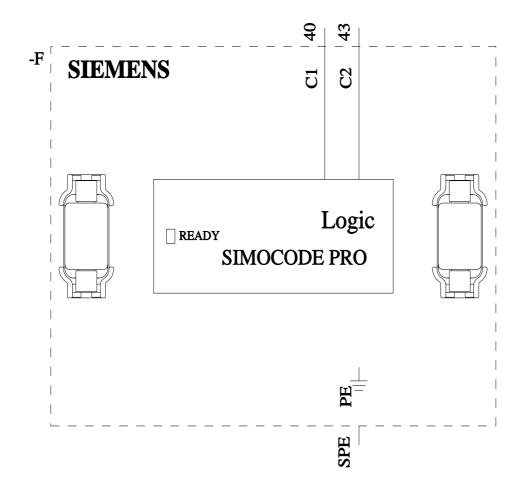
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

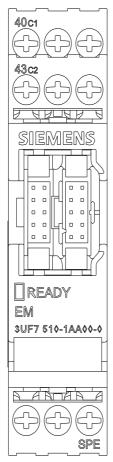
https://support.industry.siemens.com/cs/ww/en/ps/3UF7510-1AA00-0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7510-1AA00-0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UF7510-1AA00-0&lang=en</a>









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