

SIRIUS ACT: terminal module (LED module), integrated LED red, for front plate mounting



product brand name	SIRIUS ACT
product designation	Terminal module
design of the product	with integrated LED
product type designation	3SU1
Display	
display version	
for diagnostic function: Supply voltage monitoring power LED	Yes
status Tx/Rx link	No
General technical data	
product function	
reverse polarity protection	Yes; Ribbon cable can be rotated 180°.
diagnostics function	Yes
firmware version	1.0.0
hardware version	1
software version with STEP 7 in the TIA Portal required	V13 SP1 (V13 SP1 and V14 with HSP0132)
power loss [W] typical	0.115 W
degree of pollution	3
type of voltage	
of the operating voltage	DC
of the input voltage	DC
surge voltage resistance rated value	0.8 kV
consumed current	
maximum	27 mA
rated value	23 mA
protection class IP	IP20
shock resistance	
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
according to IEC 60068-2-6	10 ... 500 Hz: 5g
for railway applications according to EN 61373	Category 1, Class B
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	12/19/2016
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5
Communication/ Protocol	
protocol is supported	
PROFIsafe protocol	No
Connections/ Terminals	

type of electrical connection	Insulation displacement connection
type of connectable conductor cross-sections	Ribbon cable 7-pole, 7 x 0.08 mm ²
connectable conductor cross-section for auxiliary contacts	
• solid or stranded	0.08 ... 0.08 mm ²
• finely stranded with core end processing maximum	0.08 mm ²
connectable conductor cross-section	
• solid	0.08 ... 0.08 mm ²
• solid with core end processing	0.08 ... 0.08 mm ²
• finely stranded with core end processing	0.08 ... 0.08 mm ²
• finely stranded without core end processing	0.08 ... 0.08 mm ²
AWG number as coded connectable conductor cross section	28 ... 28

Lamp

color of the light source	red
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Safety related data

service life maximum	20 a
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Ambient conditions

ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted)
explosion protection marking for intrinsic safety of related equipment EEx ia	No
explosion protection marking for intrinsic safety of related equipment EEx ib	No

Environmental footprint

Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO ₂ eq] total	0.787 kg
Global Warming Potential [CO ₂ eq] during manufacturing	0.566 kg
Global Warming Potential [CO ₂ eq] during operation	0.235 kg
Global Warming Potential [CO ₂ eq] after end of life	-0.015 kg
Siemens Eco Profile (SEP)	Siemens EcoTech

Installation/ mounting/ dimensions

fastening method of modules and accessories	Front plate mounting
height	32.6 mm
width	30 mm
depth	31.5 mm

Approvals Certificates

General Product Approval	Test Certificates
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[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

other	Environment
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[Confirmation](#)

[EPD Typ II/III \(with life cycle assessment\)](#)

Further information

Information on the packaging

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

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=3SU1401-1ME20-1DA1>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1ME20-1DA1>

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



