## SIEMENS

## Data sheet

## 3SU1401-1ME50-1DA1

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



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product brand name	SIRIUS ACT
product designation	Terminal module
design of the product	with integrated LED
product type designation	3SU1
Display	
display version	
<ul> <li>for diagnostic function: Supply voltage monitoring power LED</li> </ul>	Yes
<ul> <li>status Tx/Rx link</li> </ul>	No
General technical data	
product function	
<ul> <li>reverse polarity protection</li> </ul>	Yes; Ribbon cable can be rotated 180°.
<ul> <li>diagnostics function</li> </ul>	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	
<ul> <li>of the operating voltage</li> </ul>	DC
<ul> <li>of the input voltage</li> </ul>	DC
surge voltage resistance rated value	0.8 kV
consumed current	
• maximum	27 mA
rated value	23 mA
protection class IP	IP20
shock resistance	
<ul> <li>according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
<ul> <li>for railway applications according to EN 61373</li> </ul>	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	К
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 connectable conductor cross-section for axillary contacts         Ribbon cable 7-pole, 7 x 0.08 mm2           solid or standed         0.08 mm2           entry standed with core end processing         0.08 mm1           onder ductor cross-section         0.08 mm1           entry standed with core end processing         0.08 mm1           in they standed with core end processing         0.08 mm2           concrutable conductor cross-section         0.08 mm2           with core end processing         0.08 mm2           core of the light core end processing         0.08 mm2           core of the light source         blue           section         20 a           within temperature         -25 +60 °C           -40 +80 °C         -40 +80 °C           ediving strange         -40 +80 °C           environmental category during operation according to IEC         -25 +60 °C           ediving strange         -40 +80 °C           ediving strange         -0.015 kg           ediving strange         -0.015 kg           edivin	type of electrical conr	rection		Insulation displacement connection	
connectable conductor cross-section       0.08 0.08 mm²         inely stranded with core end processing       0.08 m 0.08 mm²         connectable conductor cross-section       0.08 0.08 mm²         isold with core end processing       0.08 0.08 mm²         inely stranded with core end processing       0.08 0.08 mm²         inely stranded with core end processing       0.08 0.08 mm²         inely stranded with core end processing       0.08 0.08 mm²         other intel stranded with core end processing       0.08 0.08 mm²         amp       28 28         amp       20 a         withing stranded strand stranded stranded stranded stranded stranded strand			ıs		
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<ul> <li>solid with core end processing</li> <li>0.08 0.08 mm<sup>2</sup></li> <li>0.08 mm<sup>2</sup><td></td><td>1 61033-36611011</td><td></td><td><math>0.09  0.09  mmmm{ mm}^2</math></td><td></td></li></ul>		1 61033-36611011		$0.09  0.09  mmmm{ mm}^2$	
<ul> <li>finely stranded with core end processing</li> <li>finely stranded with core end processing</li> <li>0.08 0.08 mm<sup>2</sup></li> <li>0.09 0.08 mm<sup>2</sup></li> <li>0.08 0.08 mm<sup>2</sup></li> <li>0.09 0.08 mm<sup>2</sup></li> <li>0.09 0.08 mm<sup>2</sup></li> <li>0.09 0.08 mm<sup>2</sup></li> <li>0.018 mm<sup>2</sup></li></ul>					
<ul> <li>• finely stranded without core end processing</li> <li>0.08 0.08 mm<sup>2</sup></li> <li>28 28</li> <li>28 28</li> <li>28 28</li> <li>29 28</li> <li>20 a</li> <li>antiper control the light source bit with the light source bit</li></ul>					
AWG number as coded connectable conductor cross section     28 28       amp     color of the light source     blue       color of the light source     blue       afety related data     20 a       amblent conditions     amblent temperature       • during storage     -40 +80 °C       anvinomental category during operation according to IEC     3046, S32, 382, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)       varplosion protection marking for intrinsic safety of related equipment EEx is     No       varplosion protection marking for intrinsic safety of related equipment EEx is     No       reviconmental coloprint     Ves       Environmental foodural (CO2 eq) during manufacturing     0.566 kg       Global Warming Potential (CO2 eq) during manufacturing     0.235 kg       global warming potential (CO2 eq) during manufacturing     0.235 kg       global warming potential (CO2 eq) during manufacturing     0.235 kg       global warming potential (CO2 eq) during manufacturing     0.235 kg       global warming potential (CO2 eq) during manufacturing     0.235 kg       global warming potential (CO2 eq) during manufacturing     0.235 kg       global warming potential (CO2 eq) during operation     0.235 kg       global warming potential (CO2 eq) during operation     0.235 kg       growth     30 mm       dopth     30 mm	-				
amp	· · · · · · · · · · · · · · · · · · ·				
color of the light source     blue       afety related data     20 a       service life maximum     20 a       inbinit conditions     20 a       amblent temperature     -40 +60 °C       • during storage     -40 +60 °C       environmental category during operation according to IEC     3M6, 3S2, 382, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted)       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection larking for intrinsic safety of related guipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection larking for intrinsic safety of related guipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       explosion protection marking for intrinsic safety of related quipment EEx is     No       staftator mounting dimension     0.787 kg       Global Warning Potential (CO2 eq] during manufacturing     0.566 kg       staftator mounti		d connectable conduc	tor cross	28 28	
afety related data service life maximum 20 a mbient conditions mbient conditions mbient conditions mbient conditions  during operation - during operation - during operation according to IEC 0721 - 40 +80 °C - 40 +8	amp				
service life maximum         20 a          mblent conditions         ambient temperature         eduing operation         eduing storage         eduing operation according to IEC         dofts         dofts         according to receive the maximum         dofts         according to receive the maximum         dofts         according to IEC         dofts         according to IEC         dofts         according to IEC         according to	color of the light sour	ce		blue	
Individe conditions     Image: Conditions       ambient temperature     -25 +60 °C       - during storage     -40 +80 °C       - during storage     -40 +80 °C       environmental category during operation according to IEC     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       explosion protection marking or intrinsic safety of related equipment EEx ia     No       explosion protection marking for intrinsic safety of related equipment EEx ib     No       explosion protection marking or intrinsic safety of related equipment EEx ib     No       explosion protection marking for intrinsic safety of related equipment EEx ib     No       explosion protection marking or intrinsic safety of related equipment EEx ib     No       explosion protection marking for intrinsic safety of related equipment EEx ib     No       explosion protection marking or intrinsic safety of related equipment EEx ib     No       explosion protection marking for intrinsic safety of related equipment EEx ib     No       explosion protection general Product Declaration(EPD)     Yes       Global Warming Potential [CO2 eq] during operation     0.235 kg       global warming potential [CO2 eq] during operation     315 mm       provals Confl	afety related data				
ambient temperature       - 25 + 60 ° C         • during operation       - 40 + 80 ° C         • during storage       - 40 + 80 ° C         environmental category during operation according to IEC       - 40 + 80 ° C         60721       - 306 ° C         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         explosion protection marking for intrinsic safety of related equipment EEx ia       No         Sobal Warming Potential (CO2 eq) during manufacturing       0.566 kg         Global Warming Potential (CO2 eq) during operation       0.235 kg         global warming potential (CO2 eq) during operation       0.235 kg         global Warming Potential (CO2 eq) during manufacturing       15.5 mm         provals Certificates       See mm         General Pr	service life maximum			20 a	
<ul> <li>during operation</li> <li>during storage</li> <li>40 +80 °C</li> <li>3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in 6721</li> <li>3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 95%, no condensation in 6721</li> <li>sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>No</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection marking for intrinsic safety of related equipment EEx ia</li> <li>No</li> <li>Sexplosion protection for marking for intrinsic safety of related for the sexplosion protection for the sexplosion protection (EPD)</li> <li>Sexplosion protectial [CO2 eq] during poeration</li> <li>O.235 kg</li> <li>Sexplosion for for the sexplosion for for the sexplosion for for the sexplosion for for the sexplosion for for for the sexpl</li></ul>	mbient conditions				
<ul> <li>- during operation</li> <li>- during storage</li> <li>- during storage</li></ul>	ambient temperature				
	-			-25 +60 °C	
environmental category during operation according to IEC     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 is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       wironmental footprint     No       Environmental [CO2 eq] during manufacturing     0.566 kg       Global Warming Potential [CO2 eq] during operation     0.235 kg       global warming potential [CO2 eq] during operation     0.015 kg       stallation/ mounting/ dimensions     Front plate mounting       fastening method of modules and accessories     Front plate mounting       width     30 mm       dopth     31.5 mm       provals Certificates     Item certificates       Confirmation     Other       Environmental Conformity     Test Certificates	÷ .			-40 +80 °C	
60721     operation permitted)       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       explosion protection marking for intrinsic safety of related equipment EEx is     No       evironmental footprint     No       Environmental Product Declaration(EPD)     Yes       Global Warming Potential [CO2 eq] during manufacturing     0.566 kg       Global Warming Potential [CO2 eq] after end of life     -0.015 kg       stallation/ mounting/ dimensions     Front plate mounting       fastening method of modules and accessories     Front plate mounting       height     30 mm       depth     31.5 mm       pprovals Certificates     Interventer       General Product Approval     Declaration of Conformity       Confirmation     Interventer       u     Environment	0 0	during operation accord	ling to IEC	3M6, 3S2, 3B2, 3K6 (with relative air humidity of	f 10 95%, no condensation i
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equipment EEx ib nvironmental footprint Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] total 0.787 kg Global Warming Potential [CO2 eq] during manufacturing 0.566 kg Global Warming Potential [CO2 eq] after end of life -0.015 kg istallation/ mounting/ dimensions fastening method of modules and accessories fastening method of modules fasten		marking for intrinsic sa	afety of related	No	
Environmental Product Declaration(EPD) Yes Global Warming Potential [CO2 eq] total 0.787 kg Global Warming Potential [CO2 eq] during manufacturing 0.566 kg Global Warming Potential [CO2 eq] during operation 0.235 kg global warming potential [CO2 eq] after end of life -0.015 kg Istallation/ mounting/ dimensions fastening method of modules and accessories Front plate mounting height 32.6 mm width 30 mm depth 31.5 mm pprovals Certificates General Product Approval Declaration of Conformity Test Certificates Confirmation Test Certificates Intervention of Conformity Test Certificates Test Certificates Intervention of Conformity Test Certificates Test Certificates Intervention of Conformity Intervention of		narking for intrinsic sa	afety of related	No	
Global Warming Potential [CO2 eq] total       0.787 kg         Global Warming Potential [CO2 eq] during manufacturing       0.566 kg         Global Warming Potential [CO2 eq] during operation       0.235 kg         global warming potential [CO2 eq] after end of life       -0.015 kg         istallation/ mounting/ dimensions       -0.015 kg         fastening method of modules and accessories       Front plate mounting         height       32.6 mm         width       30 mm         depth       31.5 mm         pprovals Certificates       Test Certificates         General Product Approval       Declaration of Conformity       Test Certificates         Confirmation       Type Test Certificates       Type Test Certificates         Test Certificates       other       Environmental Con-	nvironmental footprin	t			
Global Warming Potential [CO2 eq] during manufacturing     0.566 kg       Global Warming Potential [CO2 eq] during operation     0.235 kg       global warming potential [CO2 eq] after end of life     -0.015 kg       istallation/ mounting/ dimensions     -0.015 kg       fastening method of modules and accessories     Front plate mounting       height     32.6 mm       width     30 mm       depth     31.5 mm       pprovals Certificates     Declaration of Conformity       Confirmation     Image: Confirmation of Conformity       Confirmation     Image: Confirmation of Conformity       Test Certificates     other       Special Test Certific:     Confirmation	Environmental Product	Declaration(EPD)		Yes	
Global Warming Potential [CO2 eq] during operation     0.235 kg       global warming potential [CO2 eq] after end of life     -0.015 kg       stallation/ mounting/ dimensions     -0.015 kg       fastening method of modules and accessories     Front plate mounting       height     32.6 mm       width     30 mm       depth     31.5 mm       porovals Certificates     Test Certificates       Confirmation     Image: Confirmation of Conformity     Test Certificates       Test Certificates     other     Environmental Con-	Global Warming Potent	ial [CO2 eq] total		0.787 kg	
global warming potential [CO2 eq] after end of life     -0.015 kg       istallation/ mounting/ dimensions     Front plate mounting       fastening method of modules and accessories     Front plate mounting       height     32.6 mm       width     30 mm       depth     31.5 mm       pprovals Certificates     Declaration of Conformity       General Product Approval     Declaration of Conformity       Confirmation     Image: Confirmation of Conformity       Test Certificates     Type Test Certificates       Test Certificates     other       Environmental Con-	Global Warming Potent	ial [CO2 eq] during man	ufacturing	0.566 kg	
Installation/mounting/dimensions       Front plate mounting         fastening method of modules and accessories       Front plate mounting         height       32.6 mm         width       30 mm         depth       31.5 mm         pprovals Certificates       Declaration of Conformity         General Product Approval       Declaration of Conformity         Confirmation       Image: Confirmation of Conformity         Test Certificates       Type Test Certificates         Test Certificates       other         Environment       Environment         Special Test Certific:       Confirmation	Global Warming Potent	ial [CO2 eq] during oper	ation	0.235 kg	
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fastening method of modules and accessories       Front plate mounting         height       32.6 mm         width       30 mm         depth       31.5 mm         pprovals Certificates       Declaration of Conformity         Confirmation       Effect         UL       Effect         Test Certificates       Type Test Certificates         Test Certificates       other         Environmental Con-       Environmental Con-	stallation/ mounting/	dimensions			
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width     30 mm       depth     31.5 mm       pprovals Certificates     Declaration of Conformity       General Product Approval     Declaration of Conformity       Confirmation     Image: Certificates       Understand     Image: Certificates       Test Certificates     other       Environmental Con-	•				
depth       31.5 mm         pprovals Certificates       General Product Approval       Declaration of Conformity       Test Certificates         Confirmation       Image: Certificates       Image: Certificates       Image: Certificates       Image: Certificates         Test Certificates       other       Environment       Environmental Con-					
pprovals Certificates         General Product Approval       Declaration of Conformity       Test Certificates         Confirmation       Image: Confirmation of Conformity       Image: Certificates       Image: Certificates </td <td></td> <td></td> <td></td> <td></td> <td></td>					
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Test Certificates     other     Environment       Special Test Certific-     Confirmation     Environmental Con-		(ŲL)	FHI		
Special Test Certific- Confirmation Environmental Con-		UL		EG-Konf.	
Special Test Certific- Confirmation Environmental Con-			Environment		
	Test Cartificator	other	LINIOIIIIeill		
	Test Certificates	other			

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,...)

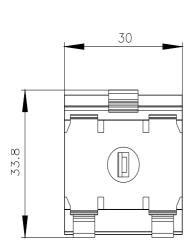
https://www.siemens.com/ic10

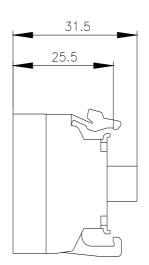
Industry Mall (Online ordering system)

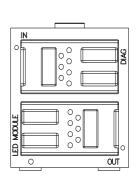
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1401-1ME50-1DA1

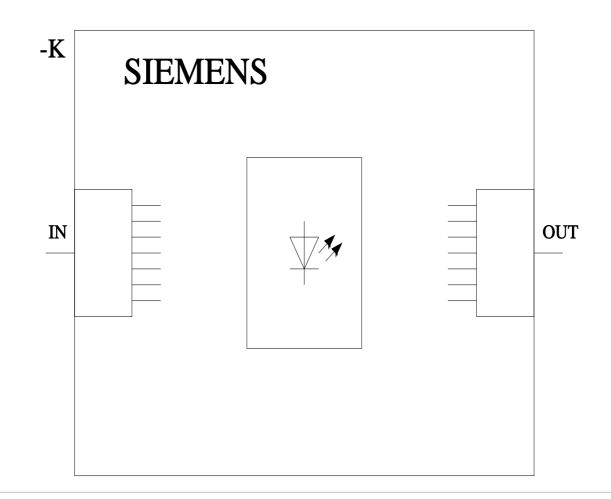
## Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1401-1ME50-1DA1 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1ME50-1DA1 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1401-1ME50-1DA1&lang=en









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