## **SIEMENS**

## **Data sheet**

## 3SU1401-1MC20-1CA1

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



product designation design of the product with 2 contacts and integrated LED product type designation 3SU1  Display  display version • for diagnostic function: Supply voltage monitoring power LED • status Tx/Rx link No  Seneral technical data  product function • reverse polarity protection • diagnostics function • diagnostics function • reverse polarity protection • rever	product brand name	SIRIUS ACT
design of the product product type designation 3SU1    Inspiration   SSU1   Inspiration   Ins	-	
Display		with 2 contacts and integrated LED
display version  • for diagnostic function: Supply voltage monitoring power LED  • status Tx/Rx link  No  Seneral technical data  product function  • reverse polarity protection • diagnostics function  reverse polarity protection • diagnostics function  1.0.0  hardware version 1.0.0  hardware version 1.0.0  hardware version vith STEP 7 in the TIA Portal required V13 SP1 (V13 SP1 and V14 with HSP0132)  power loss [W] typical degree of pollution 3  type of voltage • of the operating voltage • of the operating voltage • of the input voltage  surge voltage resistance rated value 0.8 kV  consumed current • maximum • rated value • rated value protection class IP reference code according to IEC 81346-2  Ksubstance Prohibitance (Date)  protocol is supported • PROFIsafe protocol  Protocol is supported • PROFIsafe protocol  PROFIsafe protocol  Insulation displacement connection		,
• for diagnostic function: Supply voltage monitoring power LED  • status Tx/Rx link  No  Seneral technical data  product function  • reverse polarity protection • diagnostics function • reverse polarity protection • reversion • diagnostics function  1.0.0  hardware version 1.0.0  hardware version with STEP 7 in the TIA Portal required v13 SP1 (V13 SP1 and V14 with HSP0132)  power loss [W] typical degree of pollution • of the operating voltage • of the input voltage  • of the preating voltage • of the input voltage  voltage resistance rated value 0.8 kV  consumed current • maximum • rated value  protection class IP  protection class IP  reference code according to IEC 81346-2  K  Substance Prohibitance (Date)  protocol is supported • PROFIsafe protocol  Protocol  Protocol is supported • PROFIsafe protocol  Insulation displacement connection	Display	
LED  • status Tx/Rx link  Roarcarl technical data  product function  • reverse polarity protection  • diagnostics function  • diagnostics function  firmware version  hardware version  1.0.0  hardware version  1.0.0  hardware version vith STEP 7 in the TIA Portal required  v13 SP1 (V13 SP1 and V14 with HSP0132)  power loss [W] typical  degree of pollution  3  type of voltage  • of the operating voltage  • of the input voltage  of the input voltage  of the input voltage  27 mA  • rated value  protection class IP  reference code according to IEC 81346-2  Substance Prohibitance (Date)  protocol is supported  • PROFisafe protocol  Protocol  Protocol  Protocol  supported  • PROFisafe protocol  No  Insulation displacement connection	display version	
product function		Yes
product function	• status Tx/Rx link	No
• reverse polarity protection • diagnostics function  • diagnostics function  Yes  firmware version  Incoo hardware version  software version with STEP 7 in the TIA Portal required  your loss [W] typical  degree of pollution  of the operating voltage  of the operating voltage  of the input voltage  of the input voltage  maximum  maximum  rated value  protection class IP  reference code according to IEC 81346-2  Substance Prohibitance (Date)  protocol is supported  PROFIsafe protocol  PROFIsafe protocol  Terminals  type of electrical connection  Ves; Ribbon cable can be rotated 180°.  Yes  (1800)  1.0.0  1.0.0  1.0.0  1.0.0  1.0.0  1.0.0  Possible can be rotated 180°.  Yes  1.0.0  1.0.0  1.0.0  No.0  1.0.0	Seneral technical data	
<ul> <li>diagnostics function</li> <li>firmware version</li> <li>firmware version</li> <li>firmware version</li> <li>firmware version with STEP 7 in the TIA Portal required</li> <li>v13 SP1 (V13 SP1 and V14 with HSP0132)</li> <li>power loss [W] typical</li> <li>degree of pollution</li> <li>3</li> <li>type of voltage <ul> <li>of the operating voltage</li> <li>of the input voltage</li> <li>of the input voltage</li> <li>DC</li> <li>surge voltage resistance rated value</li> <li>0.8 kV</li> </ul> </li> <li>consumed current <ul> <li>maximum</li> <li>rated value</li> <li>and</li> <li>rated value</li> <li>protection class IP</li> <li>IP20</li> </ul> </li> <li>reference code according to IEC 81346-2</li> <li>K</li> <li>Substance Prohibitance (Date)</li> <li>12/19/2016</li> </ul> <li>communication/ Protocol</li> <li>protocol is supported <ul> <li>PROFIsafe protocol</li> <li>No</li> </ul> </li> <li>connections/ Terminals</li> <li>type of electrical connection</li> <li>Insulation displacement connection</li>	product function	
firmware version  hardware version with STEP 7 in the TIA Portal required  v13 SP1 (v13 SP1 and V14 with HSP0132)  power loss [W] typical  degree of pollution  type of voltage  of the operating voltage  of the input voltage  of the input voltage  of the input voltage  consumed current  maximum  rated value  protection class IP  reference code according to IEC 81346-2  Substance Prohibitance (Date)  protocol is supported  PROFIsafe protocol  PROFIsafe protocol  Terminals  type of electrical connection  1.0.0  1.0.0  V13 SP1 (v13 SP1 and V14 with HSP0132)  DC  V13 SP1 (v13 SP1 and V14 with HSP0132)  V13 SP1 (v13 SP1 and V14 with HSP0132)  PCO SUMBLE VIA	<ul> <li>reverse polarity protection</li> </ul>	Yes; Ribbon cable can be rotated 180°.
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>diagnostics function</li> </ul>	Yes
software version with STEP 7 in the TIA Portal required  power loss [W] typical  degree of pollution  type of voltage  of the operating voltage  of the input voltage  of the input voltage  of the input voltage  DC  surge voltage resistance rated value  onaximum  rated value  protection class IP  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Communication/ Protocol  protocol is supported  PROF Isafe protocol  PROF Isafe protocol  type of electrical connection  Insulation displacement connection	firmware version	1.0.0
power loss [W] typical degree of pollution 3  type of voltage of the operating voltage of the input voltage of the input voltage  of the input voltage  DC  surge voltage resistance rated value 0.8 kV  consumed current omaximum rated value 23 mA  protection class IP IP20  reference code according to IEC 81346-2 Substance Prohibitance (Date)  communication/ Protocol protocol is supported omaximum PROFIsafe protocol No  Connections/ Terminals  type of electrical connection Insulation displacement connection	hardware version	1
degree of pollution  type of voltage of the operating voltage of the input voltage of the input voltage  surge voltage resistance rated value  consumed current omaximum rated value 27 mA orated value 23 mA  protection class IP IP20  reference code according to IEC 81346-2 K Substance Prohibitance (Date)  communication/ Protocol protocol is supported open PROFIsafe protocol No  Connections/ Terminals  type of electrical connection  Insulation displacement connection	software version with STEP 7 in the TIA Portal required	V13 SP1 (V13 SP1 and V14 with HSP0132)
type of voltage  of the operating voltage of the input voltage DC surge voltage resistance rated value 0.8 kV  consumed current omaximum rated value 23 mA protection class IP IP20  reference code according to IEC 81346-2 K Substance Prohibitance (Date) 12/19/2016  communication/ Protocol  protocol is supported PROFIsafe protocol No  Connections/ Terminals type of electrical connection  Insulation displacement connection	power loss [W] typical	0.115 W
of the operating voltage     of the input voltage     of the input voltage      surge voltage resistance rated value      onsumed current     omaximum     orated value     rated value      protection class IP     reference code according to IEC 81346-2     Substance Prohibitance (Date)      protocol is supported     oPROFIsafe protocol  PROFIsafe protocol  Terminals  type of electrical connection      DC      On.8 kV      27 mA      27 mA      27 mA      1P20      IP20      K  Substance Prohibitance (Date)      12/19/2016      No  Connections/ Terminals      Insulation displacement connection	degree of pollution	3
of the input voltage     surge voltage resistance rated value     0.8 kV  consumed current     maximum     rated value     23 mA  protection class IP     IP20  reference code according to IEC 81346-2     K  Substance Prohibitance (Date)  Communication/ Protocol  protocol is supported     PROFIsafe protocol     No  Connections/ Terminals  type of electrical connection  Insulation displacement connection	type of voltage	
surge voltage resistance rated value  consumed current  maximum rated value 23 mA  protection class IP IP20  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Communication/ Protocol  protocol is supported PROFIsafe protocol No  Connections/ Terminals  type of electrical connection  Insulation displacement connection	<ul> <li>of the operating voltage</li> </ul>	DC
consumed current  • maximum  • rated value  protection class IP  reference code according to IEC 81346-2  K Substance Prohibitance (Date)  protocol is supported  • PROFIsafe protocol  Connections/ Terminals  type of electrical connection  Insulation displacement connection	<ul> <li>of the input voltage</li> </ul>	DC
maximum     rated value     rated value     protection class IP     IP20  reference code according to IEC 81346-2     K Substance Prohibitance (Date)  Communication/ Protocol  protocol is supported     PROFIsafe protocol  No  Connections/ Terminals  type of electrical connection  Insulation displacement connection	surge voltage resistance rated value	0.8 kV
rated value     protection class IP     IP20  reference code according to IEC 81346-2     K  Substance Prohibitance (Date)     12/19/2016  Communication/ Protocol  protocol is supported     PROFIsafe protocol     No  Connections/ Terminals  type of electrical connection  Insulation displacement connection	consumed current	
protection class IP IP20  reference code according to IEC 81346-2 K  Substance Prohibitance (Date) 12/19/2016  Communication/ Protocol  protocol is supported  • PROFIsafe protocol No  Connections/ Terminals  type of electrical connection Insulation displacement connection	• maximum	27 mA
reference code according to IEC 81346-2  Substance Prohibitance (Date)  12/19/2016  Communication/ Protocol  protocol is supported  • PROFIsafe protocol  Connections/ Terminals  type of electrical connection  Insulation displacement connection	rated value	23 mA
Substance Prohibitance (Date)  Communication/ Protocol  protocol is supported  • PROFIsafe protocol  Connections/ Terminals  type of electrical connection  Insulation displacement connection	protection class IP	IP20
protocol is supported  • PROFIsafe protocol  Connections/ Terminals  type of electrical connection  Insulation displacement connection	reference code according to IEC 81346-2	K
protocol is supported  • PROFIsafe protocol  Connections/ Terminals  type of electrical connection  Insulation displacement connection	Substance Prohibitance (Date)	12/19/2016
PROFIsafe protocol     No Connections/ Terminals  type of electrical connection  Insulation displacement connection	Communication/ Protocol	
type of electrical connection Insulation displacement connection	protocol is supported	
type of electrical connection Insulation displacement connection	PROFIsafe protocol	No
	Connections/ Terminals	
type of connectable conductor cross-sections  Ribbon cable 7-pole, 7 x 0.08 mm2	type of electrical connection	Insulation displacement connection
· ·	type of connectable conductor cross-sections	Ribbon cable 7-pole, 7 x 0.08 mm2
connectable conductor cross-section for auxiliary contacts	connectable conductor cross-section for auxiliary contacts	
• solid or stranded 0.08 0.08 mm²	solid or stranded	0.08 0.08 mm²
• finely stranded with core end processing  0.08 mm²	<ul> <li>finely stranded with core end processing</li> </ul>	0.08 mm²
connectable conductor cross-section	connectable conductor cross-section	
• solid 0.08 0.08 mm²	• solid	0.08 0.08 mm²
• solid with core end processing 0.08 0.08 mm²	<ul> <li>solid with core end processing</li> </ul>	0.08 0.08 mm²

General Product Approval	Declaration of Conformity	Test Certificates	
Certificates/ approvals			
depth	31.5 mm		
width	30 mm		
height	32.6 mm		
fastening method of modules and accessories	Front plate mounting		
nstallation/ mounting/ dimensions			
explosion protection marking for intrinsic safety of related equipment EEx ib	No		
explosion protection marking for intrinsic safety of related equipment EEx ia	No		
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3K6 (with relative air humidity of 10 9 operation permitted)	5%, no condensation in	
during storage	-40 +80 °C		
during operation	-25 +60 °C		
ambient temperature			
Ambient conditions			
service life maximum	20 a		
Safety related data			
color of the light source	red		
_amp			
AWG number as coded connectable conductor cross section	28 28		
<ul> <li>finely stranded without core end processing</li> </ul>	0.08 0.08 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.08 0.08 mm²		

Confirmation









Type Test Certificates/Test Report

Test Certificates	other	Environment
	•	

Special Test Certificate

Confirmation

Environmental Confirmations

## 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=3SU1401-1MC20-1CA1

Cax online generator

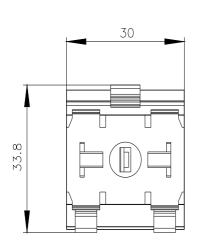
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1401-1MC20-1CA1}$ 

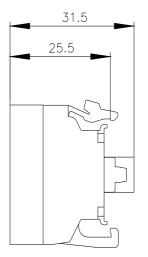
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

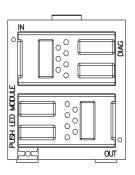
https://support.industry.siemens.com/cs/ww/en/ps/3SU1401-1MC20-1CA1

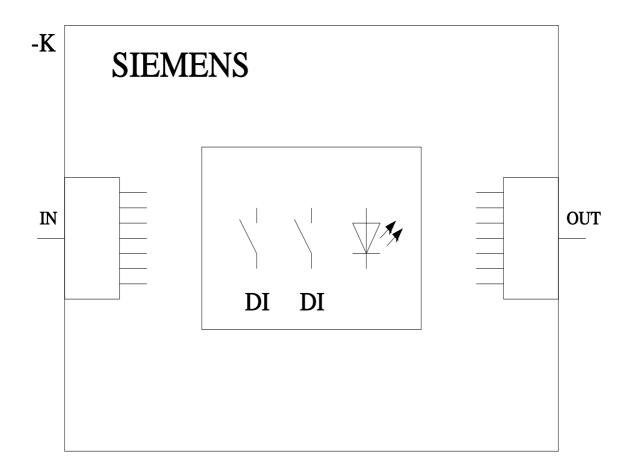
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1401-1MC20-1CA1&lang=en









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