## SIEMENS

## Data sheet

## 3UG4614-1BR20



Digital monitoring relay Asymmetry 0-20% Phase sequence can be activated Phase failure 3 x 160 to 690 V 50 to 60 Hz AC Undervoltage 160-690 V Hysteresis 1-20 V ON and OFF delay 0-20 s 2 change-over contacts screw terminal Successor product for 3UG3012-1A...

product brand name         SIRIUS           product designation         Network monitoring relay with digital setting           design of the product         4 functions           product type designation         3UG4           General technical data	a soulated.	
design of the product     4 functions       product type designation     30G4       convariat cachulad data     ************************************	product brand name	SIRIUS
product type designation         3UG4           General technical data         Product function           product function         Phase monitoring relay           display version LED         No           design of the display         LCD           insultation voltage for overvoltage category III according to         690 V           evith degree of pollution         3           type of voltage         690 V           e of the control supply voltage         AC           of the control supply voltage         AC           surge voltage resistance rated value         64V           protection class IP         IP20           shock resistance according to IEC 60068-2:7         sinusoidal hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7         sinusoidal hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7         sinusoidal hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7         sinusoidal hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7         sinusoidal hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7         sinusoidal hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7         sinusoida hif-wave 15g / 11 ms           vibration resistance according to IEC 60068-2:7 <th>product designation</th> <th>Network monitoring relay with digital setting</th>	product designation	Network monitoring relay with digital setting
Constrait technical data         Product function         Phase monitoring relay           display version LED         No         Mo           design of the display         LCD         Insulation voltage for overvoltage category III according to IEC 6064         690 V           • with degree of pollution         3         1         Ype of voltage         690 V           • of monitoring         AC         AC         Surge voltage resistance rated value         690 V           • of the control supply voltage         AC         AC         Surge voltage resistance rated value         6 kV           protection class IP         IP20         shock resistance according to IEC 60068-2-27         sinusoidal half-wave 15g / 11 ms         10 000 000           electrical endurance (operating cycles) at AC-15 at 230 V         100 000         100 000         100 000           electrical endurance (operating cycles) at AC-15 at 230 V         100 000         100 000         100 000           reference code according to IEC 81346-2         K         K         reference code according to IEC 81346-2           reference code according to IEC 81346-2         K         K         reference code according to IEC 81346-2           reference code according to IEC 81346-2         K         K         reference code according to IEC 81346-2           reference code according	design of the product	4 functions
product function         Phase monitoring relay           display version LED         No           design of the display         LCD           insulation voltage for overvoltage category III according to IEC 60684         ECD           • with degree of pollution 3 rated value         600 V           degree of pollution         3           type of voltage         607 monitoring           • of monitoring         AC           • of the control supply voltage         AC           surge voltage resistance rated value         6 kV           protection class IP         IP20           shock resistance according to IEC 60068-2-6         1 6 Hz; 15 mm, 6 500 Hz; 2g           machanical service life (operating cycles) typical         10 000 000           electrical endurance (operating cycles) at AC-15 at 230 V         10 000 000           olocit resistance according to IEC 8136-2         K           reference code according to IEC 81346-2         K           reference code acc	product type designation	3UG4
display version LED     No       design of the display     LCD       insulation voltage for overvoltage category III according to     600 V       • with degree of pollution 3 rated value     600 V       degree of pollution     3       type of voltage     AC       • of the control supply voltage     AC       • of the control supply voltage     AC       surge voltage resistance rated value     6 kV       protection class IP     IIP20       shock resistance according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms       vibration resistance according to IEC 60068-2-47     sinusoidal half-wave 15g / 11 ms       vibration resistance according to IEC 60068-2-47     1 6 Hz: 15 mm, 6 500 Hz: 2g       mechanical service life (operating cycles) typical     10 000 000       electrical endurance (operating cycles) typical     100 000       thermal current of the switching element with contacts     5 A       relative repeat accuracy     1%       Substance Prohibitance (Date)     05001/2012       Product Function     Yes       overvoltage detection     No       overvoltage detection     Yes       • undervoltage detection     Yes       • overvoltage detection 3 phase     No       • undervoltage detection 3 phase     Yes       • voltage window recognition 3 phases <th>General technical data</th> <th></th>	General technical data	
design of the display     LCD       insulation voltage for overvoltage category III according to IEC 60664     690 V       e with degree of pollution 3 rated value     690 V       degree of pollution     3       type of voltage     60 monitoring       e of monitoring     AC       e of the control supply voltage     AC       surge voltage resistance rated value     64V       protection class IP     IP20       shock resistance according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms       vibration resistance according to IEC 60068-2-6     1 6 Hz: 15 mm, 6 500 Hz: 2g       mechanical service II6 (operating cycles) typical     1000 000       electrical endurance (operating cycles) typical     100 000       thermal current of the switching element with contacts     5 A       maximum     5 A       relative repeat accuracy     1 %       Substance Prohibitance (Date)     05/01/2012       Product Function     Yes       e undervoltage detection     Yes       e phase sequence recognition     Yes       e asymmetry detection 3 phase     No       e undervoltage detection 3 phase     No       e undervoltage detection 3 phase     Yes       e undervoltage detection 3 phase     Yes       e undervoltage detectin 3 phase     No       e u	product function	Phase monitoring relay
Insulation voltage for overvoltage category III according to IEC 60654         • with degree of pollution 3 rated value       690 V         degree of pollution       3         type of voltage       AC         • for monitoring       AC         • of the control supply voltage       AC         surge voltage resistance rated value       6 kV         protection class IP       IP20         shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-4       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service IIfe (operating cycles) typical       10 000 000         electrical endurance (operating cycles) the contacts       5 A         maximum       5 A         refative repeat accuracy       1 %.         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         • undervoltage detection       Yes         • phase failure detection       Yes         • phase failure detection       Yes         • undervoltage detection 3 phase       No         • un	display version LED	No
IEC 60664       690 V            • with degree of pollution 3 rated value       690 V            degree of pollution       3         type of voltage       AC            • of the control supply voltage       AC            of the control supply voltage       AC            strige voltage resistance rated value       6 kV            protection class IP       IP20            shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms            vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service IIF (operating cycles) typical       100 000            electrical endurance (operating cycles) typical       100 000            electrical endurance (operating cycles) typical       5 A            maximum        5 A            reference code according to IEC 81346-2       K            reference code according to IEC 81346-2       K            relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012            product Function           velor workinge detection            eitaviery detection       Yes            ehase failure detection       Yes	design of the display	LCD
degree of pollution       3         type of voltage       AC         • for monitoring       AC         • of the control supply voltage       AC         surge voltage resistance rated value       6 kV         protection class IP       IP20         shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       100 000         electrical endurance (operating cycles) typical       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         reference code according to IEC 81346-2       K         reference code according to IEC 81346-2       K         reference code according to IEC 81346-2       K         product function       05/01/2012         Product function       Yes         • undervoltage detection       No         • phase failure detection       Yes         • overvoltage detection       Yes         • phase failure detection 3 phase       No         • undervoltage detection 3 phases       Yes         • overvoltage detection 3 phases       Yes         • ol		
type of voltage       AC         • of the control supply voltage       AC         surge voltage resistance rated value       6 kV         protection class IP       IP20         shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       100 000         thermal current of the switching element with contacts       5 A         maximum       reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       yes         overvoltage detection       Yes         overvoltage detection 3 phase       No         overvoltage detection 3 phases       Yes         overvoltage detection 3 phases       Yes         overvoltage window recognition 3 phase       No	<ul> <li>with degree of pollution 3 rated value</li> </ul>	690 V
• for monitoring       AC         • of the control supply voltage       AC         surge voltage resistance rated value       6 kV         protection class IP       IP20         shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) at AC-15 at 230 V       typical         typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       typical         thermal current of the switching element with contacts       5 A         maximum       5 A         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         overvoltage detection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • voltage window recognition 3 phase       Yes         • adjustable open/closed-circuit current principle       Yes         • adjustable open/closed-circuit current principle       Yes         • adjustable open/closed-circui	degree of pollution	3
• of the control supply voltage       AC         surge voltage resistance rated value       6 kV         protection class IP       IP20         shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) typical       100 000         thermal current of the switching element with contacts maximum       5 A         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         • overvoltage detection       Yes         • overvoltage detection       Yes         • phase failure detection       Yes         • overvoltage detection       Yes         • overvoltage detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       Yes         • overvoltage detection 3 phase       Yes         • overvoltage detection 3 phase       Yes         • outo-Revoltage detection 3 phase       Yes         • adjustable open/closed-circu	type of voltage	
surge voltage resistance rated value       6 kV         protection class IP       IP20         shock resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         thermal current of the switching element with contacts       5 A         maximum       reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         • undervoltage detection       Yes         • phase sequence recognition       Yes         • overvoltage detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • auto-RESET       Yes         • control circuit/ Control       Yes	<ul> <li>for monitoring</li> </ul>	AC
protection class IP       IP20         shock resistance according to IEC 60068-2-7       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         thermal current of the switching element with contacts       5 A         maximum       reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         • undervoltage detection       Yes         • phase sequence recognition       Yes         • phase squence recognition       Yes         • overvoltage detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • adjustable open/closed-circuit current principle       Yes         • overtogne detection 3 phase       No         • auto-RESET       Yes	<ul> <li>of the control supply voltage</li> </ul>	AC
shock resistance according to IEC 60068-2-27       sinusoidal half-wave 15g / 11 ms         vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         reference code according to IEC 81346-2       K         relative repeat accuracy       1%         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         • undervoltage detection       Yes         • phase sequence recognition       Yes         • phase failure detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • undervoltage detection 3 phase       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       N	surge voltage resistance rated value	6 kV
vibration resistance according to IEC 60068-2-6       1 6 Hz: 15 mm, 6 500 Hz: 2g         mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         overvoltage detection       Yes         overvoltage detection 3 phase       No         overvoltage detection 3 phases       Yes         overvoltage detection 3 phases       Yes         overvoltage detection 3 phases       Yes         overvoltage detection 3 phase       No         overvoltage detection 3 phase       No	protection class IP	IP20
mechanical service life (operating cycles) typical       10 000 000         electrical endurance (operating cycles) at AC-15 at 230 V       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       ves         undervoltage detection       Yes         overvoltage detection       No         phase failure detection       Yes         overvoltage detection       Yes         undervoltage detection 3 phase       No         voltage window recognition 3 phase       No         adjustable open/closed-circuit cur	shock resistance according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
electrical endurance (operating cycles) at AC-15 at 230 V       100 000         typical       100 000         thermal current of the switching element with contacts       5 A         maximum       5 A         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       05/01/2012         product function       Yes         • undervoltage detection       Yes         • phase sequence recognition       Yes         • phase failure detection       Yes         • overvoltage detection       Yes         • undervoltage detection       Yes         • overvoltage detection       Yes         • overvoltage detection       Yes         • overvoltage detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • voltage window recognition 3 phase       No         • adjustable open/closed-circuit current principle       Yes         • auto-RESET       Yes         Control circuit/ Control       Yes	vibration resistance according to IEC 60068-2-6	1 6 Hz: 15 mm, 6 500 Hz: 2g
typical       5 A         maximum       5 A         reference code according to IEC 81346-2       K         relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       Yes         undervoltage detection       Yes         overvoltage detection       Yes         phase sequence recognition       Yes         easymmetry detection       Yes         overvoltage detection 3 phase       No         overvoltage detection 3 phases       Yes         overvoltage window recognition 3 phase       No         outdown recognitic urrent principle       Yes	mechanical service life (operating cycles) typical	10 000 000
maximum     Final Anti-Stratter and Stratter		100 000
relative repeat accuracy       1 %         Substance Prohibitance (Date)       05/01/2012         Product Function       • undervoltage detection         • undervoltage detection       Yes         • overvoltage detection       No         • phase sequence recognition       Yes         • phase failure detection       Yes         • overvoltage detection       Yes         • phase failure detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • voltage window recognition 3 phases       Yes         • voltage window recognition 3 phase       No         • adjustable open/closed-circuit current principle       Yes         • auto-RESET       Yes         Control circuit/ Control       Ves		5 A
Substance Prohibitance (Date)       05/01/2012         Product Function             • undervoltage detection         • overvoltage detection         • overvoltage detection         • phase sequence recognition         • phase failure detection         • phase failure detection         • asymmetry detection         • overvoltage detection 3 phase         • undervoltage detection 3 phases         • voltage window recognition 3 phase         • voltage window recognition 3 phase         • adjustable open/closed-circuit current principle         • auto-RESET         Ves         Control circuit/ Control	reference code according to IEC 81346-2	К
Product Function       Yes         • undervoltage detection       No         • overvoltage detection       No         • phase sequence recognition       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • undervoltage detection 3 phase       No         • adjustable open/closed-circuit current principle       Yes         • auto-RESET       Yes         Control Circuit/ Control       Yes	relative repeat accuracy	1 %
product function       Yes         • undervoltage detection       No         • overvoltage detection       No         • phase sequence recognition       Yes         • phase failure detection       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • voltage window recognition 3 phase       No         • adjustable open/closed-circuit current principle       Yes         • auto-RESET       Yes         Control circuit/ Control       Yes	Substance Prohibitance (Date)	05/01/2012
• undervoltage detectionYes• overvoltage detectionNo• phase sequence recognitionYes• phase failure detectionYes• phase failure detectionYes• overvoltage detection 3 phaseNo• overvoltage detection 3 phasesYes• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleYes• auto-RESETYesControl Circuit/ Control	Product Function	
• overvoltage detection       No         • phase sequence recognition       Yes         • phase failure detection       Yes         • asymmetry detection       Yes         • overvoltage detection 3 phase       No         • overvoltage detection 3 phases       Yes         • voltage window recognition 3 phases       No         • adjustable open/closed-circuit current principle       Yes         • auto-RESET       Yes	product function	
<ul> <li>phase sequence recognition</li> <li>phase failure detection</li> <li>asymmetry detection</li> <li>ves</li> <li>overvoltage detection 3 phase</li> <li>undervoltage detection 3 phases</li> <li>voltage window recognition 3 phase</li> <li>adjustable open/closed-circuit current principle</li> <li>auto-RESET</li> </ul>	<ul> <li>undervoltage detection</li> </ul>	Yes
• phase failure detection       Yes         • asymmetry detection       Yes         • overvoltage detection 3 phase       No         • undervoltage detection 3 phases       Yes         • voltage window recognition 3 phase       No         • adjustable open/closed-circuit current principle       Yes         • auto-RESET       Yes	<ul> <li>overvoltage detection</li> </ul>	No
• asymmetry detection     Yes       • overvoltage detection 3 phase     No       • undervoltage detection 3 phases     Yes       • voltage window recognition 3 phase     No       • adjustable open/closed-circuit current principle     Yes       • auto-RESET     Yes	<ul> <li>phase sequence recognition</li> </ul>	Yes
overvoltage detection 3 phase     oundervoltage detection 3 phases     voltage window recognition 3 phase     voltage window recog	<ul> <li>phase failure detection</li> </ul>	Yes
undervoltage detection 3 phases     voltage window recognition 3 phase     adjustable open/closed-circuit current principle     auto-RESET     Ves Control circuit/ Control	<ul> <li>asymmetry detection</li> </ul>	Yes
voltage window recognition 3 phase No     adjustable open/closed-circuit current principle Yes     auto-RESET Yes Control circuit/ Control	<ul> <li>overvoltage detection 3 phase</li> </ul>	No
adjustable open/closed-circuit current principle Yes     auto-RESET Yes Control circuit/ Control	<ul> <li>undervoltage detection 3 phases</li> </ul>	Yes
auto-RESET Yes Control circuit/ Control	<ul> <li>voltage window recognition 3 phase</li> </ul>	No
Control circuit/ Control	<ul> <li>adjustable open/closed-circuit current principle</li> </ul>	Yes
	• auto-RESET	Yes
control supply voltage at AC	Control circuit/ Control	
	control supply voltage at AC	

• at 50 Hz rated value	160 690 V
at 60 Hz rated value	160 690 V
operating range factor control supply voltage rated value at AC at 50 Hz	
initial value	1
full-scale value	1
operating range factor control supply voltage rated value at	
AC at 60 Hz	
initial value	1
• full-scale value	1
Measuring circuit	
measurable voltage at AC	160 690 V
adjustable response delay time	
when starting	0.1 20 s
with lower or upper limit violation	0.1 20 s
accuracy of digital display	+/-1 digit
Precision	· ·
relative metering precision	5 %
Auxiliary circuit	
number of NC contacts delayed switching	0
number of NO contacts delayed switching	0
number of CO contacts	
for auxiliary contacts	2
delayed switching	2
operating frequency with 3RT2 contactor maximum	5 000 1/h
Main circuit	
number of poles for main current circuit	3
ampacity of the output relay at AC-15	
• at 250 V at 50/60 Hz	3 A
• at 400 V at 50/60 Hz	3 A
ampacity of the output relay at DC-13	
• at 24 V	1 A
• at 125 V	0.2 A
• at 250 V	0.1 A
operational current at 17 V minimum	5 mA
continuous current of the DIAZED fuse link of the output	4 A
relay	
Electromagnetic compatibility	
conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV
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
Galvanic isolation	
galvanic isolation	
<ul> <li>between input and output</li> </ul>	Yes
between the outputs	Yes
<ul> <li>between the voltage supply and other circuits</li> </ul>	Yes
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 4.0 mm²), 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)
<ul> <li>for AWG cables solid</li> </ul>	2x (20 14)
<ul> <li>for AWG cables stranded</li> </ul>	2x (20 14)
connectable conductor cross-section	
• solid	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²

AWG number as coded connectable conductor cross	_
section	
• solid	20 14
stranded	20 14
tightening torque with screw-type terminals	0.8 1.2 N·m
Installation/ mounting/ dimensions	
mounting position	any
fastening method	snap-on mounting
height	92 mm
width	22.5 mm
depth	91 mm
required spacing	
with side-by-side mounting	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
for grounded parts	
for grounded parts     — forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
<ul> <li>for live parts</li> </ul>	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
Certificates/ approvals	
	Declaration of Con-
General Product Approval	EMC Declaration of Con- formity
Declaration of Con- formity Test Certificates	Marine / Shipping other
EG-Konf.	Confirmation URS
Railway	
Vibration and Shock	

Further information

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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=3UG4614-1BR20

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4614-1BR20

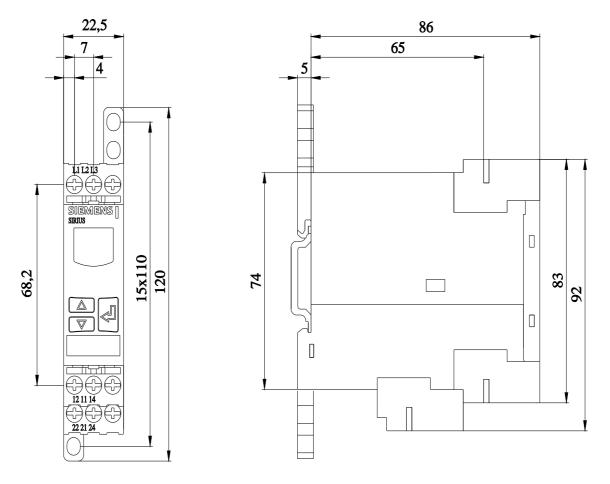
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3UG4614-1BR20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UG4614-1BR20&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3UG4614-1BR20/manual



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