## **SIEMENS**

Data sheet 3UG4633-1AL30



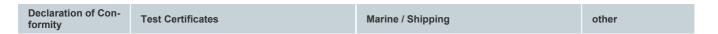
Digital monitoring relay Voltage monitoring, 22.5 mm from 17-275 V AC/DC Overshoot and undershoot Self-powered Spike delay 0.1 to 20 s Hysteresis 0.1 to 150 V 1 CO contact With or without error buffer Screw terminals Successor product for 3UG3534, 3UG3535

Figure similar

product function Voltage monitoring relay  design of the display LCD  insulation voltage for overvoltage category Ill according to IEC 60664  • with degree of pollution 3 rated value 690 V  type of voltage  • for monitoring AC/DC  • of the control supply voltage AC/DC  surge voltage resistance rated value 4 kV  maximum permissible voltage for protective separation • between auxiliary and auxiliary circuit 300 V • between control and auxiliary circuit 300 V  protection class IP IP20  shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  mechanical service life (operating cycles) typical 10 000 000  electrical endurance (operating cycles) at AC-15 at 230 V typical and current of the switching element with contacts maximum  reference code according to IEC 81346-2 K  relative repeat accuracy 1%  Substance Prohibitance (Date) 50/01/2012  SVHC substance name Blei - 7439-92-1 Blein- 7439-92-1	product brand name	SIRIUS	
product function Voltage monitoring relay design of the display LCD insulation voltage for overvoltage category III according to IEC 60664  • with degree of pollution 3 rated value 690 V type of voltage • for monitoring AC/DC surge voltage resistance rated value 4 kV maximum permissible voltage for protective separation • between auxiliary and auxiliary circuit 300 V • between auxiliary circuit 300 V protection class IP IP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms mechanical service life (operating cycles) typical 10 000 000 electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current of the switching element with contacts maximum reference code according to IEC 81346-2 K relative repeat accuracy 1 % Substance Prohibitance (Date) 505/01/2012 SVHC substance name Blei - 7439-92-1 Blein - 7439-92-1 Bleinonoxid (Bleioxid) - 1317-36-8	product designation	Voltage monitoring relay with digital setting	
product function Voltage monitoring relay  design of the display LCD  insulation voltage for overvoltage category Ill according to IEC 60664  • with degree of pollution 3 rated value 690 V  type of voltage  • for monitoring AC/DC  • of the control supply voltage AC/DC  surge voltage resistance rated value 4 kV  maximum permissible voltage for protective separation • between auxiliary and auxiliary circuit 300 V • between control and auxiliary circuit 300 V  protection class IP IP20  shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms  mechanical service life (operating cycles) typical 10 000 000  electrical endurance (operating cycles) at AC-15 at 230 V typical and current of the switching element with contacts maximum  reference code according to IEC 81346-2 K  relative repeat accuracy 1%  Substance Prohibitance (Date) 50/01/2012  SVHC substance name Blei - 7439-92-1 Blein- 7439-92-1	product type designation	3UG4	
design of the display    Insulation voltage for overvoltage category III according to IEC 60684   with degree of pollution 3 rated value   690 V	General technical data		
insulation voltage for overvoltage category III according to IEC 60664  • with degree of pollution 3 rated value  • for monitoring • of the control supply voltage  • for monitoring AC/DC  surge voltage resistance rated value  • between auxiliary and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit • between cortrol and auxiliary circuit • both cass IP  protection class IP  shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) typical electrical endurance (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  K relative repeat accuracy 1 % Substance Prohibitance (Date)  SVHC substance (Date)  SVHC substance name  Product Function  • undervoltage detection  Yes	product function	Voltage monitoring relay	
iEC 60664  • with degree of pollution 3 rated value  • for monitoring • of the control supply voltage  surge voltage resistance rated value  • between auxiliary and auxiliary circuit • between control and auxiliary circuit • botween control and a	design of the display	LCD	
type of voltage			
• for monitoring • of the control supply voltage AC/DC  surge voltage resistance rated value  ### Akv	<ul> <li>with degree of pollution 3 rated value</li> </ul>	690 V	
of the control supply voltage     surge voltage resistance rated value     maximum permissible voltage for protective separation         • between auxiliary and auxiliary circuit         • between control and auxiliary circuit         • 300 V          • between control and auxiliary circuit         • 300 V          • between control and auxiliary circuit         • 300 V          • between control and auxiliary circuit         • 1P20	type of voltage		
surge voltage resistance rated value  maximum permissible voltage for protective separation	<ul> <li>for monitoring</li> </ul>	AC/DC	
maximum permissible voltage for protective separation  • between auxiliary and auxiliary circuit  • between control and auxiliary circuit  • between control and auxiliary circuit  • between control and auxiliary circuit  300 V  protection class IP  IP20  shock resistance according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  relative repeat accuracy  1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  • undervoltage detection  Yes	of the control supply voltage	AC/DC	
between auxiliary and auxiliary circuit     between control and auxiliary circuit     300 V  protection class IP     IP20  shock resistance according to IEC 60068-2-27     sinusoidal half-wave 15g / 11 ms  mechanical service life (operating cycles) typical electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current of the switching element with contacts maximum reference code according to IEC 81346-2     K relative repeat accuracy     1 % Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function product function     undervoltage detection  Yes	surge voltage resistance rated value	4 kV	
	maximum permissible voltage for protective separation		
protection class IP  shock resistance according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  K  relative repeat accuracy  1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  I ves	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	300 V	
shock resistance according to IEC 60068-2-27  sinusoidal half-wave 15g / 11 ms  mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  relative repeat accuracy  1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  Yes	<ul> <li>between control and auxiliary circuit</li> </ul>	300 V	
mechanical service life (operating cycles) typical  electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  relative repeat accuracy  1 %  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  10 000 000  1	protection class IP	IP20	
electrical endurance (operating cycles) at AC-15 at 230 V typical  thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  relative repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  100 000	shock resistance according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms	
thermal current of the switching element with contacts maximum  reference code according to IEC 81346-2  relative repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  • undervoltage detection  Yes	mechanical service life (operating cycles) typical	10 000 000	
maximum  reference code according to IEC 81346-2  Relative repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  Yes		100 000	
relative repeat accuracy  Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  Yes		5 A	
Substance Prohibitance (Date)  SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  Yes	reference code according to IEC 81346-2	K	
SVHC substance name  Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  Yes	relative repeat accuracy	1 %	
Bleimonoxid (Bleioxid) - 1317-36-8  Product Function  product function  • undervoltage detection  Yes	Substance Prohibitance (Date)	05/01/2012	
product function  • undervoltage detection  Yes	SVHC substance name		
• undervoltage detection Yes	Product Function		
	product function		
overvoltage detection     Yes	<ul> <li>undervoltage detection</li> </ul>	Yes	
•	<ul> <li>overvoltage detection</li> </ul>	Yes	
overvoltage detection 1 phase     Yes	<ul> <li>overvoltage detection 1 phase</li> </ul>	Yes	
overvoltage detection 3 phase     No	<ul> <li>overvoltage detection 3 phase</li> </ul>	No	
overvoltage detection DC     Yes	overvoltage detection DC	Yes	
• undervoltage detection 1 phase Yes	<ul> <li>undervoltage detection 1 phase</li> </ul>	Yes	
• undervoltage detection 3 phases No	<ul> <li>undervoltage detection 3 phases</li> </ul>	No	
• undervoltage detection DC Yes	<ul> <li>undervoltage detection DC</li> </ul>	Yes	
• voltage window recognition 1 phase Yes	<ul> <li>voltage window recognition 1 phase</li> </ul>	Yes	
• voltage window recognition 3 phase No	<ul> <li>voltage window recognition 3 phase</li> </ul>	No	

voltage window recognition DC	Yes
<ul> <li>adjustable open/closed-circuit current principle</li> </ul>	Yes
external reset	Yes
auto-RESET	Yes
Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	17 275 V
• at 60 Hz rated value	17 275 V
control supply voltage at DC  • rated value	17 275 V
operating range factor control supply voltage rated value at	17 273 V
DC	
• initial value	1
full-scale value	1
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 line frequency	40 500 Hz
measurable voltage at AC	17 275 V
measurable voltage at DC	17 275 V
adjustable response delay time	0.4 00
when starting	0.1 20 s
with lower or upper limit violation	0.1 20 s
accuracy of digital display	+/-1 digit
relative temperature-related measurement deviation	0.1 %
Dunainian	
Precision	E 0/
relative metering precision	5 %
relative metering precision Auxiliary circuit	
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching	0
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching  number of NO contacts delayed switching	0 0
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching	0 0 1
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum	0 0
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit number of poles for main current circuit	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V • at 125 V • at 250 V	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V • at 125 V • at 250 V  operational current at 17 V minimum continuous current of the DIAZED fuse link of the output	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V • at 125 V • at 250 V  operational current at 17 V minimum continuous current of the DIAZED fuse link of the output relay	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay Electromagnetic compatibility	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V • at 125 V • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility conducted interference	0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4	0 0 1 5 000 1/h 1 3 A 1 A 0.2 A 0.1 A 5 mA 4 A
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz  ampacity of the output relay at DC-13  • at 24 V • at 125 V • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4	0 0 1 5 000 1/h 1 3 A 1 A 0.2 A 0.1 A 5 mA 4 A
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC	0 0 1 5 000 1/h
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz  ampacity of the output relay at DC-13  at 24 V  at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  due to burst according to IEC 61000-4-4  due to conductor-earth surge according to IEC 61000-4-5  due to conductor-conductor surge according to IEC 61000-4-3  electrostatic discharge according to IEC 61000-4-2	0 1 5 000 1/h  1 3 A  1 A 0.2 A 0.1 A 5 mA 4 A  2 kV 2 kV 1 kV
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Galvanic isolation	0 0 1 5 000 1/h  1 3 A  1 A 0.2 A 0.1 A 5 mA 4 A  2 kV 2 kV 1 kV  10 V/m 6 kV contact discharge / 8 kV air discharge
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Galvanic isolation  design of the electrical isolation	0 1 5 000 1/h  1 3 A  1 A 0.2 A 0.1 A 5 mA 4 A  2 kV 2 kV 1 kV
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Galvanic isolation  design of the electrical isolation galvanic isolation	0 0 1 5 000 1/h  1 3 A 1 A 0.2 A 0.1 A 5 mA 4 A  2 kV 2 kV 1 kV  10 V/m 6 kV contact discharge / 8 kV air discharge
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of CO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  at 24 V  at 125 V  at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  due to burst according to IEC 61000-4-4  due to conductor-earth surge according to IEC 61000-4-5  due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Galvanic isolation  design of the electrical isolation galvanic isolation  between input and output	0 0 1 5 000 1/h   1 3 A  1 A 0.2 A 0.1 A 5 mA 4 A  2 kV 2 kV 1 kV  10 V/m 6 kV contact discharge / 8 kV air discharge
relative metering precision  Auxiliary circuit  number of NC contacts delayed switching number of NO contacts delayed switching number of CO contacts delayed switching operating frequency with 3RT2 contactor maximum  Main circuit  number of poles for main current circuit ampacity of the output relay at AC-15 at 400 V at 50/60 Hz ampacity of the output relay at DC-13  • at 24 V  • at 125 V  • at 250 V  operational current at 17 V minimum  continuous current of the DIAZED fuse link of the output relay  Electromagnetic compatibility  conducted interference  • due to burst according to IEC 61000-4-4  • due to conductor-earth surge according to IEC 61000-4-5  • due to conductor-conductor surge according to IEC 61000-4-5  field-based interference according to IEC 61000-4-3 electrostatic discharge according to IEC 61000-4-2  Galvanic isolation  design of the electrical isolation galvanic isolation	0 0 1 5 000 1/h  1 3 A 1 A 0.2 A 0.1 A 5 mA 4 A  2 kV 2 kV 1 kV  10 V/m 6 kV contact discharge / 8 kV air discharge

Connections/ Terminals	
product component removable terminal for auxiliary and	Yes
control circuit	
type of electrical connection	screw-type terminals
type of connectable conductor cross-sections	
• solid	1x (0.5 4 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)
for AWG cables stranded	2x (20 14)
connectable conductor cross-section	
• solid	0.5 4 mm²
finely stranded with core end processing	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	1.2 0.8 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	
<ul> <li>with side-by-side mounting</li> </ul>	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
for grounded parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm
— backwards	0 mm
— upwards	0 mm
— at the side	0 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
Approvals Certificates	
General Product Approval	EMC Declaration of Conformity
during transport  Approvals Certificates	-40 +85 °C  FMC Declaration of C





Special Test Certificate





Confirmation

## Railway

Vibration and Shock

## 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=3UG4633-1AL30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4633-1AL30

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

https://support.industry.siemens.com/cs/ww/en/ps/3UG4633-1AL30

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UG4633-1AL30&lang=en

**Characteristic: Derating** 

https://support.industry.siemens.com/cs/ww/en/ps/3UG4633-1AL30/manual

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