SIEMENS

Data sheet

3UG4511-1AP20



Analog monitoring relay Phase sequence monitoring 3 x 320...500 V 50...60 Hz AC 1 change-over contact screw terminal Successor product for 3UG3511-1AQ50

Figure	similar

product designation Network monitoring relay with analog setting design of the product product type designation 3UG4 General technical data Product function product type designation Yes insulation voltage for overvoltage category III according to IEC 60664 600 V • with degree of pollution 3 rated value 690 V degree of pollution strate value 64V e of the control supply voltage AC sugge voltage resistance acc. to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance acc. to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance acc. to IEC 60068-2-27 10.000 00 thermal current of the switching element with contacts maximum 5 A contacts maximum 5 A reference code acc. to IEC 81346-2 K Subs	product brand name	SIRIUS
design of the product 1 function product type designation 3/0/4 General technical data Phase monitoring relay display version LED Yes insulation voltage for overvoltage category III according to IEC 60664 690 V degree of pollution 3 rated value 690 V degree of pollution 3 rated value 690 V degree of pollution 3 rated value 690 V e of the control supply voltage AC surge voltage resistance acted value 6 kV protection class IP IP20 shock resistance act. to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance act. 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 (switching cycles) at AC-15 at 230 V 100 000 typical 10 000 000 Product function 5 A substance Prohibitance (Date) 01.05.2012 00:00:00 Product function No • overvoltage detection No • phase sequence recognition Yes; available but limited, detection is problematic with high levels of regenerative power recovery • asym	product designation	Network monitoring relay with analog setting
product type designation 3UG4 General technical data Phase monitoring relay product function Phase monitoring relay display version LED Yes insulation voltage for overvoltage category III according to IEC 60664 690 V ever of pollution 3 rated value 690 V degree of pollution 3 type of voltage AC • or monitoring AC • or monitoring AC surge voltage resistance rated value 6kV protection class IP IP20 shock resistance acc. to IEC 60068-2-6 11 ms vibration resistance acc. to IEC 60068-2-6 10 000 000 electrical endurance (switching cycles) typical 100 000 thermal current of the switching element with contacts maximum 5 A contacts maximum 5 A product Function No • overvoltage detection No • overvoltage detection No • overvoltage detection No • overvoltage detection 3 phase No • overvoltage detection 3 phase No	design of the product	1 function
General technical data Phase monitoring relay product function Phase monitoring relay display version LED Yes insulation voltage for overvoltage category III according to IEC 60664 690 V é with degree of pollution 3 rated value 690 V degree of pollution 3 type of voltage 600 V in or monitoring AC of the control supply voltage AC surge voltage resistance rated value 6 kV protection class IP IP20 shock resistance acc. to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance acc. 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 (switching cycles) at AC-15 at 230 V 100 000 typical 100 000 thermal current of the switching element with contacts maximum 5 A reference code acc. to IEC 81346-2 K substance Prohibitance (Date) 01.05.2012 00:00.00 Product function No • phase sequence recognition Yes • phase failure detection Yes • phas	product type designation	3UG4
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display version LED Yes insulation voltage for overvoltage category III according to 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 surge voltage resistance rated value 6 kV protection class IP IP20 shock resistance acc. to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance acc. 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 (switching cycles) typical 10 000 000 thermal current of the switching element with contacts maximum 5 A reference code acc. to IEC 81346-2 K Substance Prohibitance (Date) 01.05.2012 00:00:00 Product Function No overvoltage detection No overvoltage detection No overvoltage detection Yes; available but limited, detection is problematic with high levels of regenerative power recovery • asymmetry detection No • voltage detection 3 phases No • undervoltage detection 3 phases No • undervoltage detection 3 phases No • undervoltage detection 3 phases <	product function	Phase monitoring relay
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mechanical service life (operating cycles) typical10 000 000electrical endurance (switching cycles) at AC-15 at 230 V typical100 000thermal current of the switching element with contacts maximum5 Areference code acc. to IEC 81346-2KSubstance Prohibitance (Date)01.05.2012 00:00:00Product FunctionNo• undervoltage detectionNo• phase sequence recognitionYes• phase failure detectionYes• asymmetry detectionNo• overvoltage detectionNo• overvoltage detectionNo• phase failure detectionYes• asymmetry detection 3 phaseNo• undervoltage detection 3 phaseNo• voltage window recognition 3 phaseNo• auto-RESETYes	vibration resistance acc. to IEC 60068-2-6	1 6 Hz: 15 mm, 6 500 Hz: 2g
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thermal current of the switching element with contacts maximum5 Areference code acc. to IEC 81346-2KSubstance Prohibitance (Date)01.05.2012 00:00:00Product Function0• undervoltage detectionNo• overvoltage detectionNo• phase sequence recognitionYes• phase failure detectionYes; available but limited, detection is problematic with high levels of regenerative power recovery• asymmetry detectionNo• overvoltage detection 3 phaseNo• voltage window recognition 3 phasesNo• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleNo• auto-RESETYes	electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000
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Substance Prohibitance (Date)01.05.2012 00:00:00Product FunctionV• undervoltage detectionNo• overvoltage detectionNo• overvoltage detectionNo• phase sequence recognitionYes• phase failure detectionYes; available but limited, detection is problematic with high levels of regenerative power recovery• asymmetry detectionNo• overvoltage detection 3 phaseNo• voltage window recognition 3 phaseNo• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleNo• auto-RESETYes	reference code acc. to IEC 81346-2	К
Product Function No • undervoltage detection No • overvoltage detection No • overvoltage detection No • phase sequence recognition Yes • phase failure detection Yes; available but limited, detection is problematic with high levels of regenerative power recovery • asymmetry detection No • overvoltage detection 3 phase No • undervoltage detection 3 phases No • voltage window recognition 3 phase No • adjustable open/closed-circuit current principle No • auto-RESET Yes	Substance Prohibitance (Date)	01.05.2012 00:00:00
product functionNo• undervoltage detectionNo• overvoltage detectionNo• phase sequence recognitionYes• phase failure detectionYes; available but limited, detection is problematic with high levels of regenerative power recovery• asymmetry detectionNo• overvoltage detection 3 phaseNo• undervoltage detection 3 phasesNo• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleNo• auto-RESETYes	Product Function	
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• phase failure detectionYes; available but limited, detection is problematic with high levels of regenerative power recovery• asymmetry detectionNo• overvoltage detection 3 phaseNo• undervoltage detection 3 phasesNo• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleNo• auto-RESETYes	 phase sequence recognition 	Yes
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• undervoltage detection 3 phasesNo• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleNo• auto-RESETYes	 overvoltage detection 3 phase 	No
• voltage window recognition 3 phaseNo• adjustable open/closed-circuit current principleNo• auto-RESETYes	 undervoltage detection 3 phases 	No
adjustable open/closed-circuit current principle No auto-RESET Yes	 voltage window recognition 3 phase 	No
• auto-RESET Yes	 adjustable open/closed-circuit current principle 	No
	auto-RESET	Yes

Control circuit/ Control	
control supply voltage at AC	
• at 50 Hz rated value	320 500 V
• at 60 Hz rated value	320 500 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
Auxiliary circuit	
number of NC contacts delayed switching	0
number of NO contacts delayed switching	0
number of CO contacts delayed switching	1
operating frequency with 3RT2 contactor maximum	5 000 1/h
Main circuit	
number of poles for main current circuit	3
Outputs	
ampacity of the output relay at AC-15	
a at 250 V at 50/60 Hz	3 Δ
• at 200 V at 50/60 Hz	3 A
amposity of the output relay of DC 12	34
ampacity of the output relay at DC-13	4.4
• at 24 V	
• 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 relay	4 A
Electromagnetic compatibility	
Electromagnetic compatibility conducted interference	
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4	2 kV
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5	2 kV 2 kV
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC	2 kV 2 kV 1 kV
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5	2 kV 2 kV 1 kV
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3	2 kV 2 kV 1 kV 10 V/m
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation galvanic isolation	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation ø between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections • solid	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Yes 1x (0.5 4 mm2), 2x (0.5 2.5 mm2)
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2)
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2x (20 14)
Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation • between input and output • between the outputs • between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections • solid • finely stranded with core end processing • at AWG cables solid • at AWG cables stranded	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2x (20 14) 2x (20 14)
Electromagnetic compatibility conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections solid at AWG cables solid at AWG cables stranded connectable conductor cross-section	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2x (20 14) 2x (20 14)
Electromagnetic compatibility conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2x (20 14) 2x (20 14)
Electromagnetic compatibility conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection solid finely stranded with core end processing at AWG cables stranded connectable conductor cross-sections solid et AWG cables stranded 	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2x (20 14) 0.5 4 mm ² 0.5 4 mm ²
Electromagnetic compatibility conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections solid at AWG cables solid at AWG cables stranded Connectable conductor cross-section solid at AWG cables stranded AWG number as coded connectable conductor cross-sections	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2x (20 14) 2x (20 14) 0.5 4 mm ² 0.5 2.5 mm ²
Electromagnetic compatibility conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection type of connectable conductor cross-sections solid at AWG cables solid at AWG cables stranded connectable conductor cross-section solid afinely stranded with core end processing bild at AWG cables stranded AWG number as coded connectable conductor cross-section solid bild bild bild bild bild bild bild b	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1 x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1 x (0.5 2.5 mm2), 2x (0.5 1.5 mm2) 2 x (20 14) 0.5 4 mm ² 0.5 4 mm ²
Electromagnetic compatibility conducted interference due to burst acc. to IEC 61000-4-4 due to conductor-earth surge acc. to IEC 61000-4-5 due to conductor-conductor surge acc. to IEC 61000-4-5 field-based interference acc. to IEC 61000-4-3 electrostatic discharge acc. to IEC 61000-4-2 Galvanic isolation between input and output between the outputs between the voltage supply and other circuits Connections/ Terminals product function removable terminal for auxiliary and control circuit type of electrical connection solid finely stranded with core end processing at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing at AWG cables stranded connectable conductor cross-section solid finely stranded with core end processing at AWG cables stranded 	2 kV 2 kV 1 kV 10 V/m 6 kV contact discharge / 8 kV air discharge Yes Yes Yes Yes Screw-type terminals 1x (0.5 4 mm2), 2x (0.5 2.5 mm2) 1x (0.5 4 mm2), 2x (0.5 1.5 mm2) 2x (20 14) 2x (20 14) 0.5 4 mm ² 0.5 2.5 mm ²

tightening torque with screw-type terminals	0.8 1.2 N·m	
Installation/ mounting/ dimensions		
mounting position	any	
fastening method	snap-on mounting	
height	83 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 		
— 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	
— downwards	0 mm	
- at the side	0 mm	
Ambient conditions	0.000	_
Installation altitude at height above sea level maximum	2 000 m	
ampient temperature	05 100 %0	
during operation	-25 +60 °C	
during storage	-40 +85 °C	
	-40 +85 C	
Certificates/ approvais		
General Product Approval EMC	Declaration of Conformity	Test Certificates
	Miscellaneous EG-Kenf.	Type Test Certific- ates/Test Report
Test Certificates Marine / Shipping	other Railway	
Special Test Certific- ate Register	Confirmation Vibration and Shock	

Further information
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=3UG4511-1AP20
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4511-1AP20
Service&Support (Manuals, Certificates, Characteristics, FAQs,)
https://support.industry.siemens.com/cs/ww/en/ps/3UG4511-1AP20
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UG4511-1AP20⟨=en





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