SIEMENS

Data sheet

Figure similar

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

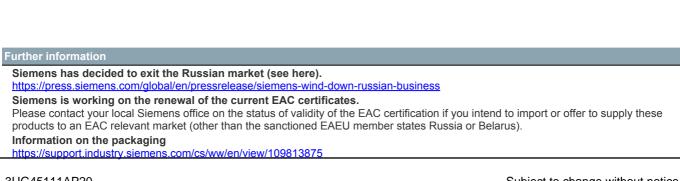
product brand name SIRIUS product designation Network monitoring relay with analog setting design of the product 1 function product function 3UG4 Ceneral technical data Phase monitoring relay product function Phase monitoring relay display version LED Yes insulation voltage for overvottage category III 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 cleass IP IP20 shock resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-27 sinusoidal half-wave 15g / 11 ms vibration resistance according to IEC 60068-2-27 1 6 Hz: 15 mm, 6 500 Hz: 2g mechanical service Iif o (porating cycles) at AC-15 at 10000 000 230 V typical 5 A thermal current of the switchin				
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	 phase failure detection 			
	 asymmetry detection 	No		
voltage window recognition 3 phase No adjustable open/closed-circuit current principle auto-RESET Yes Control circuit/ Control control supply voltage at AC	 overvoltage detection 3 phase 	No		
adjustable open/closed-circuit current principle No auto-RESET Yes Control circuit/ Control control supply voltage at AC	 undervoltage detection 3 phases 	No		
auto-RESET Yes Control circuit/ Control Control supply voltage at AC	 voltage window recognition 3 phase 	No		
Control circuit/ Control control supply voltage at AC	 adjustable open/closed-circuit current principle 	No		
control supply voltage at AC	auto-RESET	Yes		
	Control circuit/ Control			
• at 50 Hz rated value 320 500 V	control supply voltage at AC			
	• at 50 Hz rated value	320 500 V		

a at CO Lie rated walks	220 500.)/
• 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
• run-scale value 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	320 500 V
Auxiliary circuit	
number of NC contacts delayed switching	0
number of NO contacts delayed switching	0
number of CO contacts	Ŭ
for auxiliary contacts	1
delayed switching	1
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	4 A
output relay	
Electromagnetic compatibility	
conducted interference	
 due to burst according to IEC 61000-4-4 	2 kV
 due to conductor-earth surge according to IEC 61000-4-5 	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	
 between input and output 	Yes
 between the outputs 	Yes
 between the voltage supply and other circuits 	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)
 finely stranded with core end processing 	1x (0.5 2.5 mm ²), 2x (0.5 1.5 mm ²)
at AWG cables solid	2x (20 14)
 at 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	20 14
• solid	20 14 20 14
stranded tightening torque with screw type terminals	20 14 0.8 1.2 N·m
tightening torque with screw-type terminals	0.0 1.2 N'III
Installation/ mounting/ dimensions	
mounting position	any

fastening method height			snap- 83 mi	on mounting		
width			22.5 1			
depth			91 m			
required spacing			01111			
 with side-by-side 	te mounting					
— forwards	ie mounting		0 mm			
— backwards	e		0 mm			
— upwards	5		0 mm			
— downward	10		0 mm			
— at the side			0 mm			
 for grounded participation 			0 mm	I		
• ·	ans		0			
— forwards	_		0 mm			
— backwards	S		0 mm			
— upwards			0 mm			
— at the side			0 mm			
- downward	ls		0 mm	1		
 for live parts 						
— forwards			0 mm			
- backwards	S		0 mm			
— upwards			0 mm			
- downward			0 mm			
— at the side	9		0 mm	1		
Ambient conditions						
installation altitude at	height above sea level	maximum	2 000	m		
ambient temperatur						
 during operatio 			-25	. +60 °C		
• during storage		-40 +85 °C				
 during transpor 	t		-40	. +85 °C		
Certificates/ approval						
			_			Declaration of
General Product Ap	oproval				EMC	Declaration of Conformity
	<u>Confirmation</u>	(UL)		EAC	RCM	UK CA
Declaration of Conformity	Test Certificates			Marine / Shipping		other
CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Co</u> ate	<u>ertific-</u>	Lloyd's Register uis	DNV-GL DNV-GL	<u>Confirmation</u>

Railway

Vibration and Shock



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

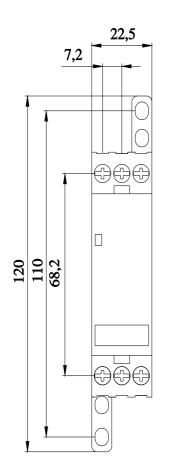
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

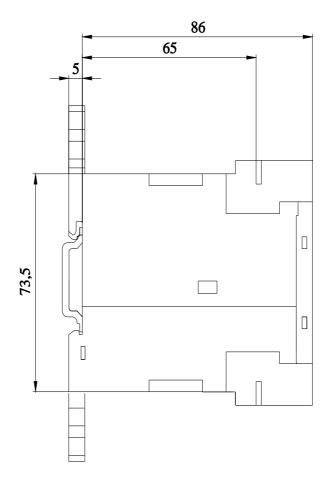
https://support.industry.siemens.com/cs/ww/en/ps/3UG4511-1AP20

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&lang=en

Characteristic: Derating

https://support.industry.siemens.com/cs/ww/en/ps/3UG4511-1AP20/manual





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