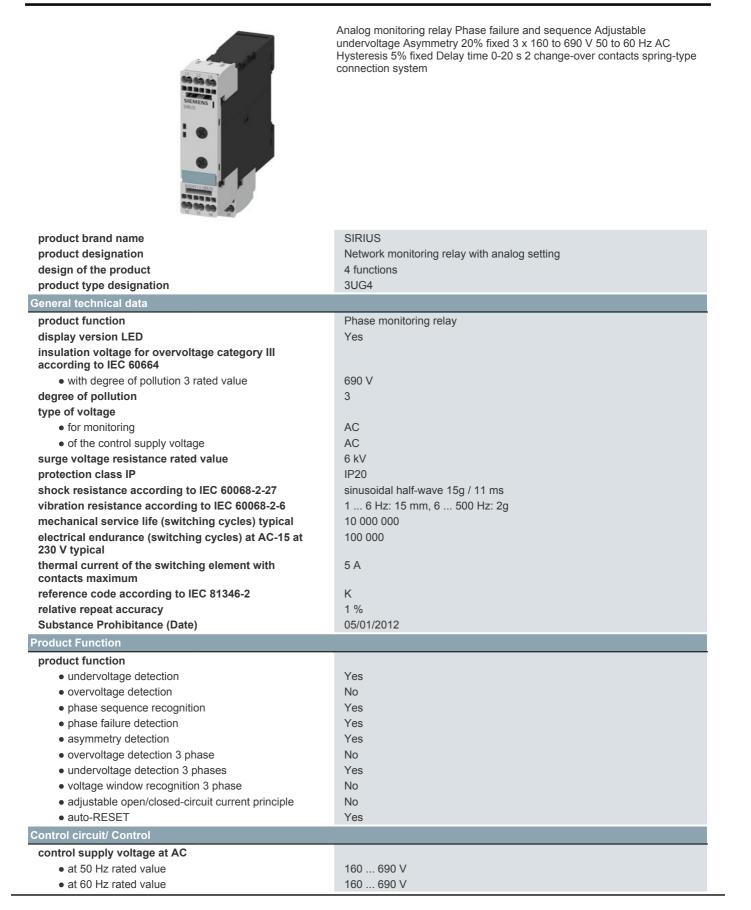
## SIEMENS

## Data sheet

## 3UG4513-2BR20



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	
<ul> <li>initial value</li> </ul>	1
• full-scale value	1
Measuring circuit	
measurable voltage at AC	160 690 V
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 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 relay	4 A
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
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	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
between the voltage supply and other circuits	Yes
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	spring-loaded terminals
type of connectable conductor cross-sections	0. (0.05 4.5 mm²)
<ul> <li>solid</li> <li>finally attached with care and processing</li> </ul>	2x (0.25 1.5 mm <sup>2</sup> )
finely stranded with core end processing	2 x (0.25 1.5 mm <sup>2</sup> )
<ul> <li>finely stranded without core end processing</li> <li>at AWG cables solid</li> </ul>	2x (0.25 1.5 mm <sup>2</sup> )
at AWG cables solid     at AWG cables stranded	2x (24 16) 2x (24 16)
connectable conductor cross-section	2A (27 10)
solid	0.25 1.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.25 1.5 mm <sup>2</sup>
<ul> <li>finely stranded with core end processing</li> <li>finely stranded without core end processing</li> </ul>	0.25 1.5 mm <sup>2</sup>
AWG number as coded connectable conductor cross	
section	
• solid	24 16
stranded	24 16
Installation/ mounting/ dimensions	
mounting position	any

fastening method			snap-on mounting		
height			94 mm		
width			22.5 mm		
depth			91 mm		
required spacing					
<ul> <li>with side-by-sid</li> </ul>	e mounting				
— forwards			0 mm		
<ul> <li>backwards</li> </ul>	6		0 mm		
— upwards			0 mm		
- downward			0 mm		
— at the side			0 mm		
<ul> <li>for grounded particular</li> </ul>	arts		_		
— forwards			0 mm		
— backwards	6		0 mm		
— upwards			0 mm		
— at the side			0 mm		
— downward	S		0 mm		
<ul> <li>for live parts</li> </ul>			•		
— forwards			0 mm		
— backwards	5		0 mm		
— upwards	-		0 mm		
— downward — at the side			0 mm 0 mm		
			0 mm		
Ambient conditions				_	
	height above sea leve	maximum	2 000 m		
ambient temperature					
during operation		-25 +60 °C -40 +85 °C			
during storage		-40 +85 °C -40 +85 °C			
during transport			-40 +85 C		
Certificates/ approval	S	_			_
General Product Ap	proval			EMC	Declaration of Conformity
					oomonnity
$\bigcirc$	Confirmation	$\sim$		~	
( <b>m</b> )		(U <sub>I</sub> )	LUI	<i>κ</i> λ	CE
<u> </u>			LIIL	يد	EG-Konf.
CCC		UL		RG M	EG-KONT.
Declaration of	Test Certificates		Marine / Shipping		other
Conformity	Test Certificates		Marine / Shipping		other
UK CA	<u>Type Test Certific-</u> ates/Test Report	Special Test Cert	Llovd's	An and a second second	<b>Confirmation</b>
22	ales/ rest Reput	ate	Régister	DNV-GL	
LН			LRS	DWGLEDRAF	

Railway

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=3UG4513-2BR20

 Cax online generator

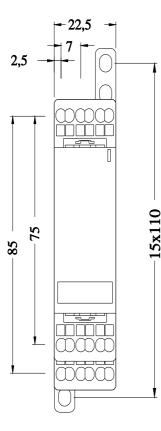
 http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UG4513-2BR20

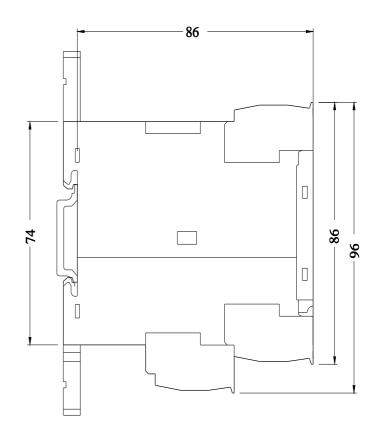
## Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3UG4513-2BR20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3UG4513-2BR20&lang=en

**Characteristic: Derating** 

https://support.industry.siemens.com/cs/ww/en/ps/3UG4513-2BR20/manual





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