

Phase monitor 230 V AC 4 A



Model	
Product designation	Phase monitor
General technical data	
Operating range factor / of control voltage_1	0.8
Adjustable pickup delay time / initial value	0 s
Determinants / for climatic applicability / acc. to IEC 60068-1	20/60/4
Measurable voltage / at AC / initial value	400 V
Switching voltage / of the contacts / at AC / minimum	10 V
Switching current / at AC / per contact / minimum	100 mA
Voltage	
Type of voltage / for actuation	AC
Rated insulation voltage U_i / between spool contact	4 kV
Measurable voltage / at AC / Full-scale value	400 V
Surge voltage resistance / between contacts of the relay operating mechanism	2.5 kV
Protection class IP	IP20, with connected conductors
Operating resource protection class	II

Dissipation	
Rated power loss P _v	9VA (Electronic) ; 0,2VA (contact)
Operating voltage / at AC / rated value	250 V
Operating current / rated value	4 A

Control current	
Control supply voltage	
<ul style="list-style-type: none"> • at DC / rated value / minimum • at DC / rated value / maximum • at AC / at 50 Hz / rated value / minimum • at AC / at 50 Hz / rated value / maximum • at AC / at 60 Hz / rated value / minimum • at AC / at 60 Hz / rated value / maximum 	0 V 0 V 400 V 400 V 400 V 400 V
Operating range factor / of control voltage_2	1.1

Auxiliary circuit	
Number of CO contacts / for auxiliary contacts	1
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0

Adjustable parameters	
Adjustable pickup delay time / Full-scale value	0 s
Adjustable OFF-delay time	
<ul style="list-style-type: none"> • initial value • Full-scale value 	0 s 0 s

Product function	
Product function	
<ul style="list-style-type: none"> • Phase unbalance • Phase failure detection • phase sequence recognition • Overvoltage detection • undervoltage detection 	No Yes No No No

Number	
Number of terminals / with cross-head screw	1

Connections	
Type of connectable conductor cross-sections	2 × 2.5 mm ² (rigid, max.)
Type of electrical connection	screw-type terminals
<ul style="list-style-type: none"> • Plug-in socket 	No

Mechanical Design	
Height	90 mm
Width	18 mm
Depth	64 mm

Required spacing / between contacts of the relay operating mechanism	4 mm
Net weight	80 g

Environmental conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation / minimum 	-20 °C

Certificates

Declaration of Conformity	other
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[Environmental Confirmations](#)

[Miscellaneous](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TT3421>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5TT3421>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT3421

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

