



Phase monitor 230 V AC 4 A

Model	
product brand name	SETRON
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 according 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 of the operating voltage for actuation	AC
measurable voltage at AC full-scale value	400 V
surge voltage resistance between contacts of the relay operating mechanism	2.5 kV
Supply voltage	
operating voltage at AC rated value	250 V
protection class IP	IP20, with connected conductors
operating resource protection class	II
operational current rated value	4 A
Control current	
control supply voltage	
• at DC rated value minimum	0 V
• at DC rated value maximum	0 V
• at AC at 50 Hz rated value minimum	400 V
• at AC at 50 Hz rated value maximum	400 V
• at AC at 60 Hz rated value minimum	400 V
• at AC at 60 Hz rated value maximum	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	
• initial value	0 s
• full-scale value	0 s

Product function

product function	
• asymmetry detection	No
• phase failure detection	Yes
• phase sequence recognition	No
• overvoltage detection	No
• undervoltage detection	No

Number

number of terminals with cross-head screw	1
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Connections

type of connectable conductor cross-sections	2 × 2.5 mm ² (rigid, max.)
type of electrical connection	screw terminal
• 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	0.077 kg

Environmental conditions

ambient temperature during operation	
• minimum	-20 °C
• maximum	60 °C

Approvals Certificates

General Product Approval	other
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[Miscellaneous](#)



[Confirmation](#)

Environment

[Environmental Con-
firmations](#)

[Environmental Con-
firmations](#)

Further information

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/lowvoltage/catalogs>

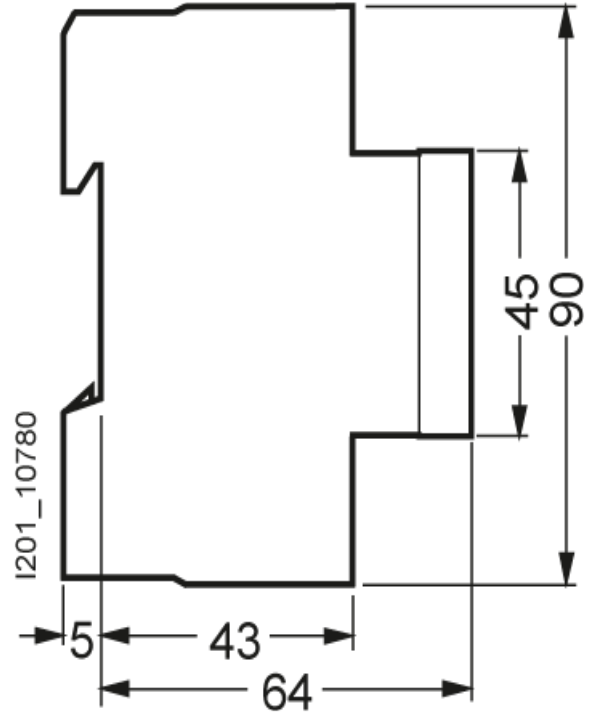
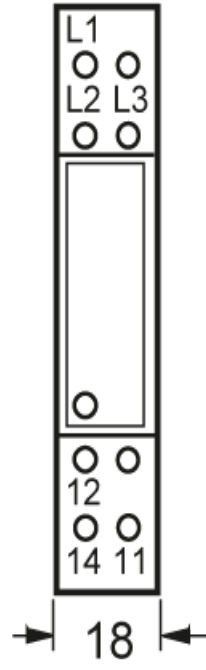
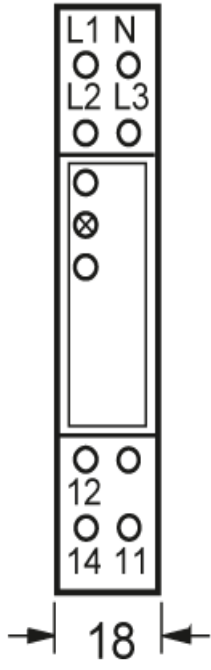
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5TT3421>

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, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT3421

CAX-Online-Generator
<https://www.siemens.com/cax>

Tender specifications
<https://www.siemens.com/specifications>



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