



Phase monitor 230 V AC 4 A

Model	
product brand name	SENTRON
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	2.5 kV
operating mechanism	
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 <sup>2</sup> (rigid, max.)
type of electrical connection	screw-type terminals
• 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 during operation	
• minimum	-20 °C
• maximum	60 °C

General Product Approval	Declaration of Conformity	other
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[Confirmation](#)



EG-Konf.

[Miscellaneous](#)

[Confirmation](#)

### Environment

[Environmental Confirmations](#)

### Further information

**Siemens has decided to exit the Russian market (see here).**

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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, ...)**

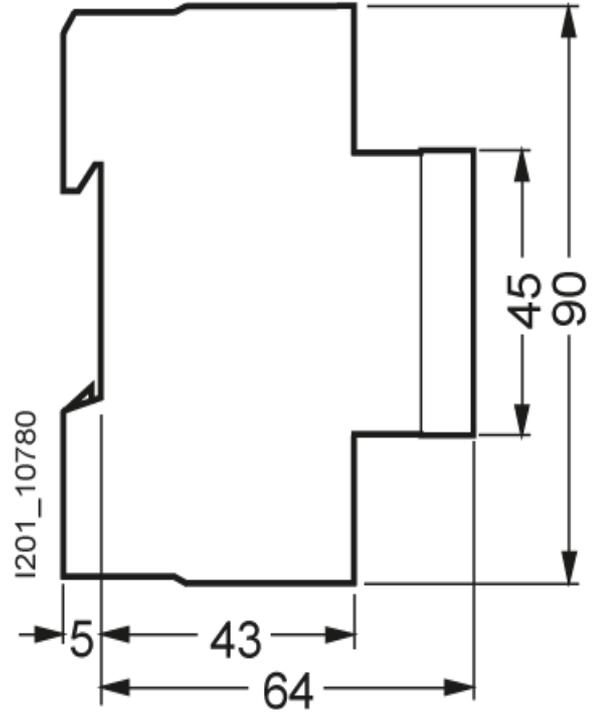
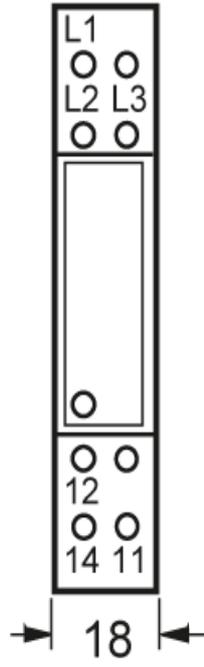
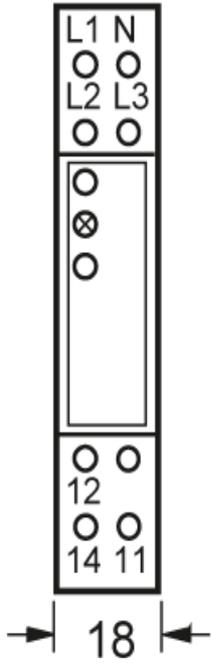
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5TT3421](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TT3421)

**CAX-Online-Generator**

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

**Tender specifications**

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



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