## **SIEMENS**

Data sheet 3RT1966-5NB31



Changeover operating mechanism for vacuum contactor 3RT126 AC (50...60 Hz) / DC operation, 21 ... 27.3 V Operating mechanism: electronic with PLC input 24 V DC Screw terminal

product designation  Substance Prohibitance (Date)  type of voltage of the control supply voltage  control supply voltage 1 at AC  • at 50 Hz • at 50 Hz • at 50 Hz rated value • at DC  control supply voltage 2 at DC rated value • at DC  control supply voltage 2 at DC rated value  27.3 V  control supply voltage 2  at DC  control supply voltage 2 at DC rated value  27.3 V  apparent pick-up power of magnet coil at AC • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz • at 60 Hz  apparent holding power of magnet coil at AC • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz • at 60 Hz	product brand name	SIRIUS
AC/DC	product designation	Magnet coil
control supply voltage 1 at AC	Substance Prohibitance (Date)	05/01/2012
■ at 50 Hz     ■ at 60 Hz     21 27.3 V  control supply voltage 2 at AC      ■ at 50 Hz rated value     27.3 V      • at 60 Hz rated value     27.3 V  control supply voltage 1     ● at DC  control supply voltage 2 at DC rated value  27.3 V  control supply voltage 2 at DC rated value  27.3 V  control supply voltage 2 at DC rated value  27.3 V  apparent pick-up power of magnet coil at AC      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with closing power of the coil      ■ at 50 Hz     ■ at 60 Hz  apparent holding power of magnet coil at AC      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 50 Hz     ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 60 Hz  inductive power factor with the holding power of the coil      ■ at 60 Hz  inductive power factor with the holding power of the coil	type of voltage of the control supply voltage	AC/DC
■ at 60 Hz     control supply voltage 2 at AC     ■ at 50 Hz rated value     ■ at 60 Hz rated value     ■ at 60 Hz rated value     27.3 V  control supply voltage 1     ■ at DC     21 27.3 V  control supply voltage 2 at DC rated value     27.3 V  control supply voltage 2 at DC rated value     27.3 V  apparent pick-up power of magnet coil at AC     ■ at 50 Hz     ■ at 60 Hz     inductive power factor with closing power of the coil     ● at 50 Hz     ● at 60 Hz  apparent holding power of magnet coil at AC     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil	control supply voltage 1 at AC	
control supply voltage 2 at AC  • at 50 Hz rated value 27.3 V  • at 60 Hz rated value 27.3 V  control supply voltage 1  • at DC 21 27.3 V  control supply voltage 2 at DC rated value 27.3 V  apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.8	● at 50 Hz	21 27.3 V
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>27.3 V</li> <li>control supply voltage 1         <ul> <li>at DC</li> <li>21 27.3 V</li> </ul> </li> <li>control supply voltage 2 at DC rated value</li> <li>27.3 V</li> <li>apparent pick-up power of magnet coil at AC         <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>570 VA</li> </ul> </li> <li>inductive power factor with closing power of the coil         <ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>apparent holding power of magnet coil at AC         <ul> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> </li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul> <li>at 60 Hz</li>	● at 60 Hz	21 27.3 V
■ at 60 Hz rated value     27.3 V  control supply voltage 1     ● at DC     21 27.3 V  control supply voltage 2 at DC rated value     27.3 V  apparent pick-up power of magnet coil at AC     ● at 50 Hz     ● at 60 Hz     inductive power factor with closing power of the coil     ● at 50 Hz     ● at 60 Hz     0.8  apparent holding power of magnet coil at AC  ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 50 Hz     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil     ● at 60 Hz  inductive power factor with the holding power of the coil	control supply voltage 2 at AC	
control supply voltage 1  • at DC  control supply voltage 2 at DC rated value  apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.8	at 50 Hz rated value	27.3 V
● at DC  control supply voltage 2 at DC rated value  apparent pick-up power of magnet coil at AC  ● at 50 Hz ● at 60 Hz  inductive power factor with closing power of the coil ● at 50 Hz ● at 60 Hz  apparent holding power of magnet coil at AC  ● at 50 Hz ● at 60 Hz  5.6 VA  inductive power factor with the holding power of the coil  ● at 50 Hz ● at 60 Hz  5.6 VA  inductive power factor with the holding power of the coil ● at 50 Hz ● at 60 Hz  5.6 VA  inductive power factor with the holding power of the coil ● at 50 Hz ● at 60 Hz  0.8	at 60 Hz rated value	27.3 V
control supply voltage 2 at DC rated value  apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  0.8  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  5.6 VA  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.8  5.6 VA  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.8  0.8	control supply voltage 1	
apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil  • at 50 Hz • at 60 Hz  • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 50 Hz • at 60 Hz  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil  • at 50 Hz • at 60 Hz  0.8	• at DC	21 27.3 V
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>570 VA</li> <li>inductive power factor with closing power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>5.6 VA</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>0.8</li> <li>at 60 Hz</li> </ul>	control supply voltage 2 at DC rated value	27.3 V
● at 60 Hz  inductive power factor with closing power of the coil  ● at 50 Hz ● at 60 Hz  0.8  apparent holding power of magnet coil at AC  ● at 50 Hz ● at 60 Hz  5.6 VA  inductive power factor with the holding power of the coil  ● at 50 Hz ● at 60 Hz  0.8  inductive power factor with the holding power of the coil  ● at 50 Hz ● at 60 Hz  0.8	apparent pick-up power of magnet coil at AC	
inductive power factor with closing power of the coil  • at 50 Hz  • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  • at 50 Hz  • at 60 Hz  0.8	• at 50 Hz	570 VA
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>5.6 VA</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> </ul>	● at 60 Hz	570 VA
apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  5.6 VA  at 60 Hz  5.6 VA  inductive power factor with the holding power of the coil  at 50 Hz  at 50 Hz  0.8  0.8	inductive power factor with closing power of the coil	
apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.8  • at 60 Hz	● at 50 Hz	0.8
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>0.8</li> <li>at 60 Hz</li> <li>0.8</li> </ul>	• at 60 Hz	0.8
at 60 Hz  inductive power factor with the holding power of the coil     at 50 Hz     at 60 Hz  o at 60 Hz  0.8	apparent holding power of magnet coil at AC	
inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  0.8	● at 50 Hz	5.6 VA
• at 50 Hz 0.8 • at 60 Hz 0.8	● at 60 Hz	5.6 VA
• at 60 Hz 0.8	inductive power factor with the holding power of the coil	
	● at 50 Hz	0.8
Approvals Certificates	• at 60 Hz	0.8

General Product Approval

**EMC** 

**Declaration of Conformity** 

Confirmation



EAC







**Test Certificates** 

Marine / Shipping

other

Special Test Certificate









Confirmation

other Railway

**Miscellaneous** Special Test Certific-

<u>ate</u>

## **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,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1966-5NB31

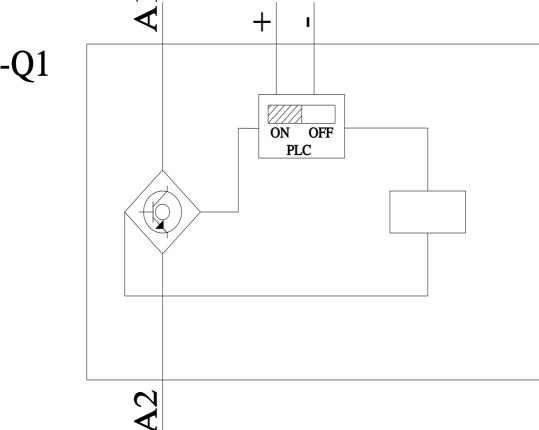
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1966-5NB31

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1966-5NB3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1966-5NB31&lang=en



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