



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH3, 630A 60MM BUSBAR SYSTEM COVERS FOR RITTAL BOX
TERMINAL FUSE MONITORING ELECTRONIC, EFM 10

Similar to image

General technical details:

Number of poles	3
product brand name	SENTRON
Product designation	Fuse switch disconnecter
Fuse system	LV HRC fuse
Installation size of fuse-link	NH2, NH3
Installation size of disconnecting link	3 and 2
Type from device	Zum Aufschnappen auf Sammelschienensystem Rittal 60 mm
Design of the product	3-pole
Busbar design	Sammelschienendicke 5 oder 10 mm
Design of the operating mechanism	handle unit
Type of the driving mechanism / motor drive	No
Design of the safety monitoring	elektronisch EFM10
Number of NC contacts / for auxiliary contacts	0
Number of NO contacts / for auxiliary contacts	0
Number of changeover contacts / for auxiliary contacts	0
Design of the load switch / Strip form	No
Product equipment / interlock	Yes

Product feature / sealable		Yes
Product component		
• phase failure monitoring		No
• undervoltage release mechanism		No
• undervoltage release with leading contact		No
• trip indicator		Yes
Acceptability for application		
• switch disconnecter		Yes
• emergency stop switch		No
• main switch		No
• safety cut-out switch		Yes
• maintenance/repair switch		Yes
Product function		
• fuse monitoring		Yes
• overvoltage protection monitoring		No
Product extension		
• auxiliary switch		Yes
• optional		
• phase failure monitoring		Yes
• voltage trigger		No
• overvoltage protection monitoring		Yes
• locking capability		Yes
• motor drive		No
Continuous current		
• rated value	A	630
• at 35 °C / rated value	A	630
• at 40 °C / rated value	A	610
• at 45 °C / rated value	A	575
• at 50 °C / rated value	A	555
• at 55 °C / rated value	A	530
Operating current		
• at AC-21 B		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	630
• at AC-22 B		
• at 400 V / rated value	A	630
• at 500 V / rated value	A	630
• at 690 V / rated value	A	500
• at AC-23 B		

<ul style="list-style-type: none"> • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value 	A	630
<ul style="list-style-type: none"> • with capacitive load • at 400 V / maximum • at 500 V / maximum 	A	500
	A	200
	A	72
	A	55
Let-through current		
<ul style="list-style-type: none"> • with speedy activation / maximum permissible 	kA	50
<ul style="list-style-type: none"> • with closed switch / maximum permissible 	kA	60
Conditional short-circuit current (I_q)		
<ul style="list-style-type: none"> • rated value 	kA	50
<ul style="list-style-type: none"> • at 500 V / with AC / with speedy activation / rated value 	kA	50
<ul style="list-style-type: none"> • at 690 V / with AC / with speedy activation / rated value 	kA	50
<ul style="list-style-type: none"> • with closed switch • at 500 V / with AC / rated value • at 690 V / with AC / rated value 	kA	100
	kA	100
Tension d'emploi		
<ul style="list-style-type: none"> • for AC / rated value 	V	230 ... 690
Power factor		
<ul style="list-style-type: none"> • at AC-21 B 		0.95
<ul style="list-style-type: none"> • at AC-22 B 		0.65
<ul style="list-style-type: none"> • at AC-23 B 		0.35
<ul style="list-style-type: none"> • with capacitive load 		-0.25
Active power loss / maximum	W	48
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I²t value / with closed switch / maximum permissible	kA ² ·s	5,400
Item designation		
<ul style="list-style-type: none"> • according to DIN EN 61346-2 		Q
<ul style="list-style-type: none"> • according to DIN EN 81346-2 		Q

Connection elements and terminals:

Design of the electrical connection / for main current circuit		box terminals
Conductor cross section that can be connected / for main contacts		
<ul style="list-style-type: none"> • single- or multi-stranded 	mm ²	50 ... 300
<ul style="list-style-type: none"> • stranded 	mm ²	50 ... 300
Type of connectable conductor cross-sections / of laminated conductors		
<ul style="list-style-type: none"> • maximum 		20 x 32 mm
Tightening torque		

• with screw-type terminals	N·m	10 ... 25
Arrangement of electrical connectors / for main current circuit		sonstige

Degree of protection and safety class:

Protection class IP		
• open		IP20
• on the front		IP40
• with closed switch		
• without cover or cable lug cover		IP30
• with cover or cable lug cover		IP40
Degree of pollution		3
Mechanical operating cycles as operating time / typical		1,000

Ambient conditions:

Ambient temperature		
• during operating	°C	-25 ... +55
• during storage	°C	-50 ... +80

Installation/mounting/dimensions:

Mounting type		busbar mounting
• rail mounting		Yes
• front mounting		No
• front mounting with central attachment		No
• front mounting with 4-hole attachment		No
• floor mounting		No
mounting position		waagrecht oder senkrecht
Width	mm	249.4
Height	mm	306
Depth	mm	192.7
Largeur		
• du jeu de barres	mm	12 ... 30
Center line spacing	mm	60
Net weight	kg	6.98

Certificates/approvals:

General Product Approval				Declaration of Conformity	Test Certificates
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CCC



GOST



UL



UR



EG-Konf.

[Type Test Certificates/Test Report](#)

Shipping Approval



DNV



GL



LRS

Further information:

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

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

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3NP1163-1JC22>

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

<http://support.automation.siemens.com/WW/view/en/3NP1163-1JC22/all>

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

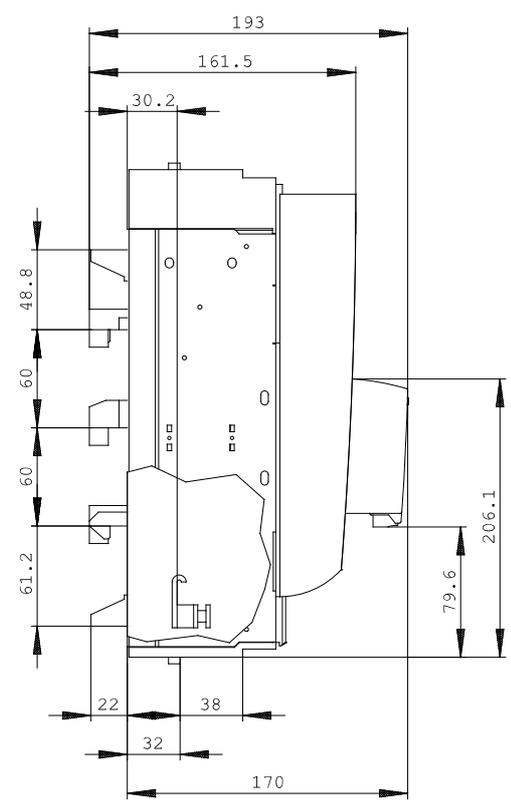
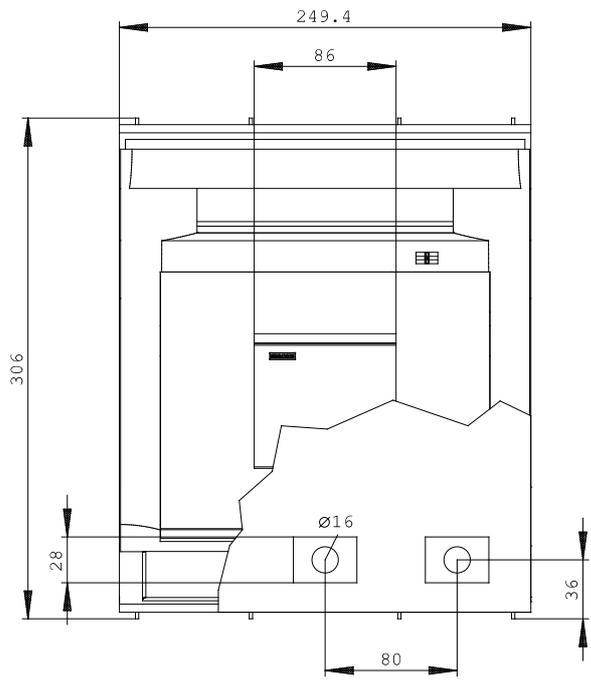
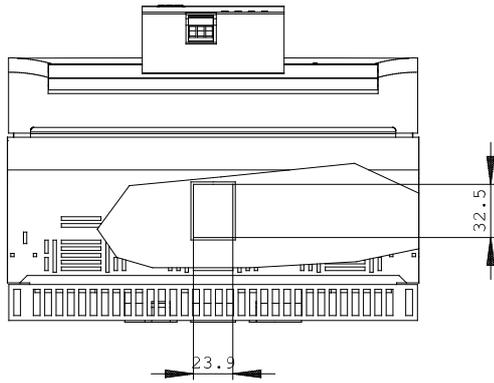
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1163-1JC22

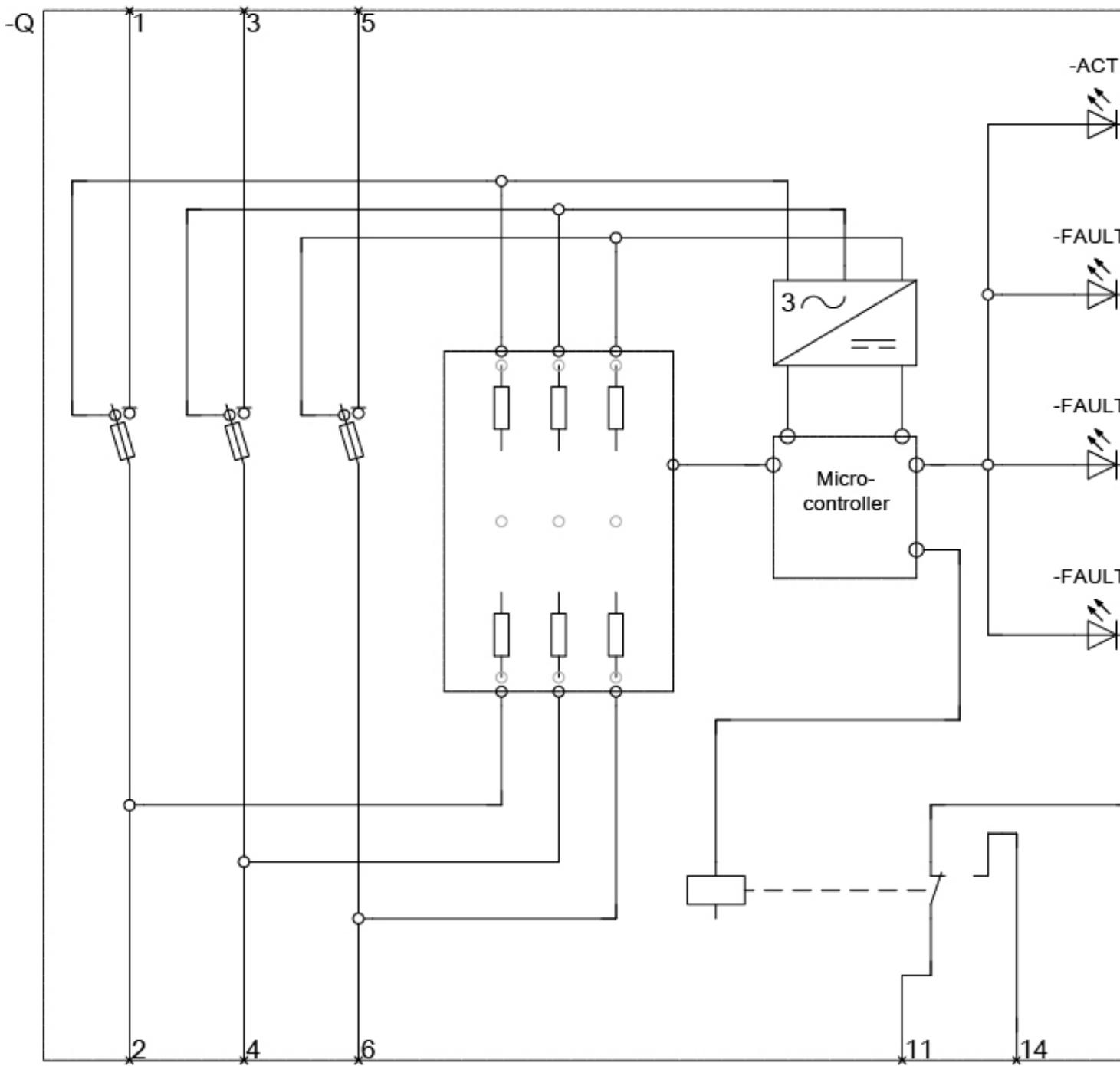
CAX-Online-Generator

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

Tender specifications

[Datanorm GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Jul 7, 2014