SIEMENS

Product data sheet

Number of poles

3NP1153-1BC12



3

FUSE-SWITCH-DISCONNECTOR 3-POLE, NH2, 400A 60MM BUSBAR SYSTEM COVER LEVEL 32/70 MM FLAT CONNECTOR FUSE MONITORING ELECTRONIC, EFM 10

Similar to image

General technical details:				
product brand name	SENTRON			
Product designation	Fuse switch disconnector			
Fuse system	LV HRC fuse			
Installation size of fuse-link	NH1. NH2			
Installation size of disconnecting link	2 and 1			
Type from device	Zum Aufschnappen auf Sammelschienensystem Siemens 8US 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 componentImage: stature monitoringNo•undenvoltage release mechanismNo•undenvoltage release with leading contactYes•undenvoltage release with leading contactYes•with discornectorNo•emergency stop switchNo•emergency stop switchNo•emergency stop switchNo•emergency stop switchYes•entiferance/repair switchYes•safely cal-cut switchNo•safely cal-cut switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•seared cal-switchYes•ording protection monitoringYes•ording protection monitoringYes•ording protection monitoringYes•ording protection monitoringYes•ording cal-switchA•ording cal-switchNo•ording cal-switchA•ording protection monitoringYes•ording cal-switchA•ording cal-switchA•ording cal-switchA•ording cal-switchA•ording cal-switchA•ording triggerA•ording triggerA•ording cal-switchA•ording cal-switchA•ording cal-switchA•ording cal-swi	Product feature / sealable	_	Yes
• undervoltage release with leading contact:No• undervoltage release with leading contact:No• ing indicatorVes• switch disconnectorVes• switch disconnectorNo• smitch disconnectorVes• emergency stop switchNo• antin switchVes• main switchVes• main switchVes• main switchVes• main switchVes• main switchVes• fuse monitoringVes• fuse monitoringVes• overvoltage protection monitoringVes• overvoltage protection monitoringVes• optionalVes• optionalNo• optionalNo• optionalA• optionalA• optionalA• optionalA•	Product component		
• undervoltage release with leading contactNo• trip indicatorVasAcceptability for applicationVas• entropients stop switchNo• entropients stop switchNo• main storthNo• main storthNo• main storthNo• main storthNo• safety cut-out switchNo• main storthNo• store monitoringNo• store monitoringNo• outside protection monitoringNo• outside tride outsideNo• outside tride o	phase failure monitoring		No
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Acceptability for applicationImage: selection of the selection of	 undervoltage release with leading contact 		No
• switch disconnectorImage switchImage	trip indicator		Yes
• emergency stop switchNo• main switchNo• safety cut-out switchYes• maintenance/repair switchYes• fuse monitoringNo• fuse monitoringNo• overvoltage protection monitoringYes• outroitage protection monitoringYes• optionalYes• optionalYes• obtage triggerNo• overvoltage protection monitoringYes• overvoltage protection monitoringYes <td>Acceptability for application</td> <td>_</td> <td></td>	Acceptability for application	_	
near witchNo• safely cut-out switchI• maintenance/repair switchI• resProduct functionI• fuse monitoringI• overvoltage protection monitoringI• overvoltage protection monitoringI• auxiliary switchI• optionalI• optionalYes• overvoltage protection monitoringYes• overvoltage protection monitoringYes• overvoltage protection monitoringYes• overvoltage protection monitoringYes• oltaking SwitchNo• overvoltage protection monitoringYes• oltaking SolutionYes• oltaking SolutionYes• overvoltage protection monitoringYes• oltaking SolutionNo• overvoltage protection monitoringYes• oltaking SolutionNo• other driveNo• rated valueA• dot driveA• trade valueA• at 30° C / rated valueA• at 40° V / rated valueA• at 400 V / rated valueA </td <td>switch disconnector</td> <td></td> <td>Yes</td>	switch disconnector		Yes
safety cut-out switchYesProduct functionYesProduct functionYesi-fuse monitoringNoProduct setimistionNoProduct setimistionYes- auxiliary switchYes- auxiliary switchYes- optionalYes- optionalA- optionalA- optionalA- optionalA- optionalA- optionalA- optionalA- optionalA- optionalA <td>emergency stop switch</td> <td></td> <td>No</td>	emergency stop switch		No
• maintenance/repair switchVesProduct functionYes• overvoltage protection monitoringNoProduct extensionYes• auxiliary switchYes• optionalYes• optional option monitoringYes• overvoltage protection monitoringYes• overvoltage protection monitoringYes• otoritriveAContinuous currentA• rated valueA• at 40 °C / rated valueA• at 45 °C / rated valueA• at 45 °C / rated valueA• at 400 V /	main switch		No
Product functionYes• suvervoltage protection monitoringNoProduct extensionYes• auxiliary switchYes• optionalYes• ohase failure monitoringYes• overvoltage protection monitoringYes• ovtage triggerNo• overvoltage protection monitoringYes• overvoltage protection monitoringYes• overvoltage protection monitoringYes• overvoltage protection monitoringYes• notor driveAConfinuous currentA• rated valueA• at 35 °C / rated valueA• at 40 °C / rated valueA• at 400 V / rated valueA	safety cut-out switch		Yes
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• overvoltage protection monitoringImage: solution of the solution of	Product function		
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• auxiliary switchYes• optionalYes• phase failure monitoringYes• voltage triggerNo• voltage trotection monitoringYes• locking capabilityYes• motor driveYes• motor driveNoContinuous currentYes• rated valueA400• at 35 °C / rated valueA400• at 40 °C / rated valueA392• at 50 °C / rated valueA356Operating currentA356• at 400 V / rated valueA400• at 400 V / r	overvoltage protection monitoring		No
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· motor driveNoContinuous currentI· rated valueA400• at 35 °C / rated valueA400• at 40 °C / rated valueA400• at 45 °C / rated valueA392• at 55 °C / rated valueA372• at 55 °C / rated valueA356• at 55 °C / rated valueA356• at AC-21 B• at 400 V / rated valueA400• at 690 V / rated valueA400• at 400 V / rated valueA400• at 600 V / rated valueA400<	overvoltage protection monitoring		Yes
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• at 55 °C / rated valueA356Operating current• at AC-21 B• at 400 V / rated valueAA400• at 500 V / rated valueAA400• at 690 V / rated valueAA400• at 600 V / rated valueAA400• at 400 V / rated valueAA400• at 400 V / rated valueAA400• at 600 V / rated valueAA400• at 600 V / rated valueAA400• at 600 V / rated valueAA400	• at 45 °C / rated value	А	392
Operating currentImage: current of the second s	• at 50 °C / rated value	А	372
• at AC-21 B A 400 • at 400 V / rated value A 400 • at 500 V / rated value A 400 • at 690 V / rated value A 400 • at 600 V / rated value A 400 • at 400 V / rated value A 400 • at 400 V / rated value A 400 • at 400 V / rated value A 400 • at 400 V / rated value A 400 • at 600 V / rated value A 400	• at 55 °C / rated value	А	356
• at 400 V / rated value A 400 • at 500 V / rated value A 400 • at 690 V / rated value A 400 • at AC-22 B - - • at 400 V / rated value A 400 • at 400 V / rated value A 400 • at 500 V / rated value A 400 • at 500 V / rated value A 400 • at 690 V / rated value A 400	Operating current		
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• at 500 V / rated valueA400• at 690 V / rated valueA400	• at AC-22 B		
• at 690 V / rated value A 400	• at 400 V / rated value	А	400
	• at 500 V / rated value	А	400
• at AC-23 B	• at 690 V / rated value	А	400
	• at AC-23 B		

• at 400 V / rated value	А	400
• at 500 V / rated value	А	315
• at 690 V / rated value	А	125
with capacitive load		
• at 400 V / maximum	А	72
• at 500 V / maximum	А	55
Let-through current	_	
 with speedy activation / maximum permissible 	kA	40
 with closed switch / maximum permissible 	kA	40
Conditional short-circuit current (Iq)	_	
rated value	kA	80
• at 500 V / with AC / with speedy activation / rated value	kA	80
• at 690 V / with AC / with speedy activation / rated value	kA	50
with closed switch		
• at 500 V / with AC / rated value	kA	100
• at 690 V / with AC / rated value	kA	100
Tension d'emploi	_	
for AC / rated value	V	230 690
Power factor		
• at AC-21 B		0.95
• at AC-22 B		0.65
• at AC-23 B		0.35
• with capacitive load		-0.25
Active power loss / maximum	W	34
Insulation voltage / rated value	V	690
Impulse voltage resistance / rated value	kV	8
I2t value / with closed switch / maximum permissible	kA²⋅s	2,150
Item designation		
according to DIN EN 61346-2		Q
according to DIN EN 81346-2		Q
Connection elements and terminals:		
Design of the electrical connection / for main current circuit		flat connector
Conductor cross section that can be connected / for main contacts		
• single- or multi-stranded	mm²	25 240
• stranded	mm²	25 240
Tightening torque		
with screw-type terminals	N∙m	10 12
Arrangement of electrical connectors / for main current circuit		sonstige

Degree of protection and safety class:				
IP degree of protection				
• 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		waagerecht oder senkrecht		
Width	mm	209.4		
Height	mm	306		
Depth	mm	187.6		
Largeur				
• du jeu de barres	mm	12 30		
Center line spacing	mm	60		
Net weight	kg	4.9		
Certificates/approvals:				
General Product Approval		Declaration of Conformity	Test Certificates	
	SAL UR	EG-Konf.	<u>Type Test</u> Certificates/Test Report	
Shipping Approval				
GL DNV GL Llovd's Register Llovd's Register				

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/3NP1153-1BC12

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3NP1153-1BC12/all

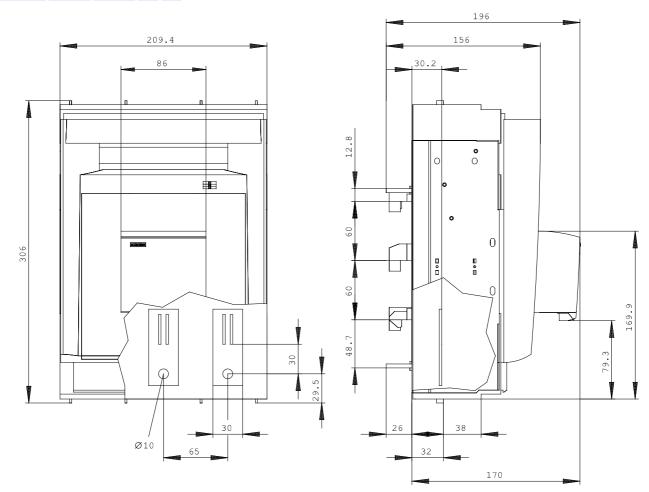
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1153-1BC12

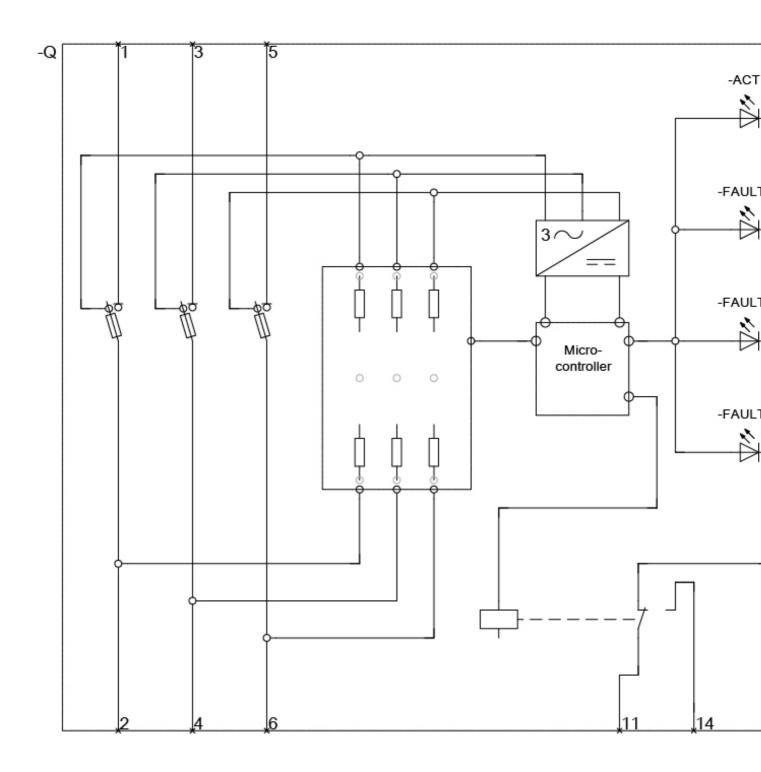
CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

Datanorm GAEB81 GAEB83 RTF TXT





last change:

Mar 31, 2014