SIEMENS

Data sheet 3VA1112-1AA36-0AA0

Figure similar

SWITCH DISCONNECTOR 3VA1 IEC FRAME 160 3-POLE SD100, IN=125A WITHOUT OVERLOAD PROTECTION WITHOUT SHORT CIRCUIT PROT. CABLE CONNECTION

Model		
product brand name		SENTRON
Product designation		Switch disconnector
Design of the product		in MCCB design
Product variations		General applications
Design of the operating mechanism		toggle handle
Type of the driving mechanism / motor drive		No

General technical data		
Number of poles		3
Type of device		fixed mounting
power factor cos phi / in utilization category / AC-22 A / at 400 V		0.8
circuit-breaker / Design		3VA
Mechanical service life (switching cycles) / typical		15 000
Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750		Q
Overvoltage category		IV

Voltage		
Insulation voltage / Rated value	V	800
Surge voltage resistance / Rated value	kV	8

Protection class		
Protection class IP		IP40
Protection class IP / on the front		IP40

Dissipation

Active power loss		
• maximum	W	30
Electricity		
Continuous current		
• Rated value	A	125
• at 40 °C / Rated value	A	125
• at 45 °C / Rated value	A	125
• at 50 °C / Rated value	A	125
• at 55 °C / Rated value	A	125
• at 60 °C / Rated value	A	125
• at 65 °C / Rated value	A	125
• at 70 °C / Rated value	A	125
Short-time current resistance (Icw)		
• restricted to 0.5 s / Rated value	kA	2
• limited to 1 s / Rated value	kA	2
Main circuit		
Operating power		
• at AC-23 A / at 400 V / at 50/60 Hz / Rated value	kW	85
• at AC-3 / at 400 V / Rated value	kW	85
Operating voltage		
• with AC / at 50/60 Hz / Rated value	V	690
• for DC / Rated value	V	500
Auxiliary circuit		
Number of CO contacts / for auxiliary contacts		0
Number of NC contacts / for auxiliary contacts		0
Number of NO contacts / for auxiliary contacts		0
Suitability		
Suitability for use		
• Main switch		Yes
• switch disconnector		Yes
• EMERGENCY OFF switch		Yes
• safety switch		Yes
• maintenance/repair switch		Yes
Product details		
Product feature / interlock		No
Product component		
• Trip indicator		No
• Voltage trigger		No
• undervoltage release		No

• undervoltage release with leading contact		No
Product expansion		
• Auxiliary switch		Yes
• optional		
— motor drive		Yes
— Voltage trigger		Yes
Product function		
Product function / communication function		No
Display and operation		
Display version / for switch position indicator		Yes
Short circuit		
Conditional short-circuit current (Iq) / Rated value	A	2 000
Connections		
Arrangement of electrical connectors / for main current circuit		Front terminal
Type of electrical connection / for main current circuit		Terminal connection
Mechanical Design		
Height	mm	130
Width	mm	76.2
Depth	mm	70
mounting position		any
Mounting type		screw fixing
Mounting type		
• front mounting with 4-hole attachment		Yes
• front mounting with central attachment		No
• rail mounting		No
Net weight	g	800
Environmental conditions		
Ambient temperature		
• during operation / minimum	°C	-25
• during operation / maximum	°C	70
• during storage / minimum	°C	-40
• during storage / maximum	°C	80
Certificates		
Equipment marking / acc. to DIN EN 61346-2		Q

General Product Approval		EMC	Declaration of Conformity	Shipping Approval	
CCC	EAC	other	EG-Konf.	DNV	GL

Shipping Approval	other
LRS	other

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs

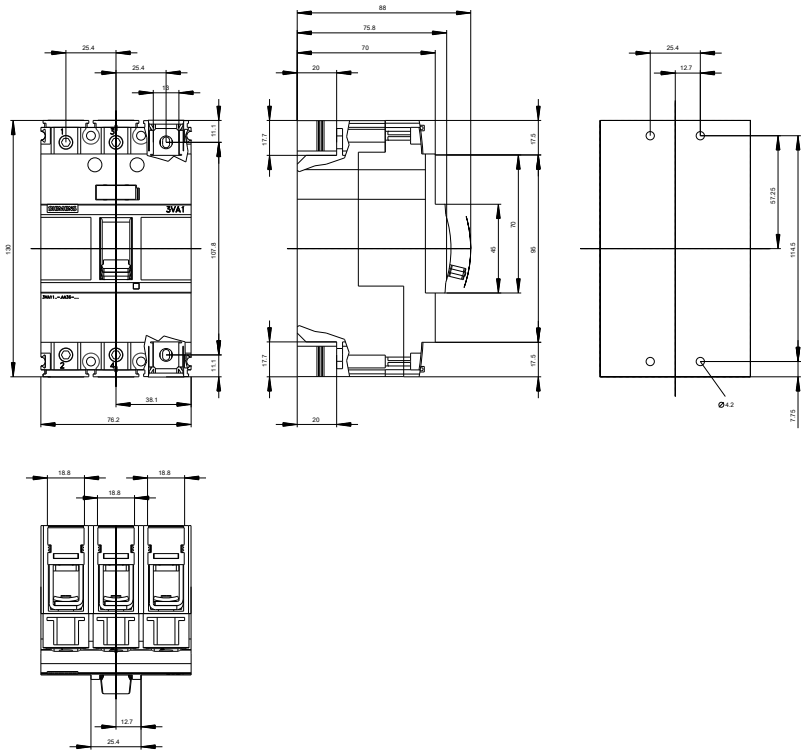
Industry Mall (Online ordering system)
https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3VA11121AA360AA0

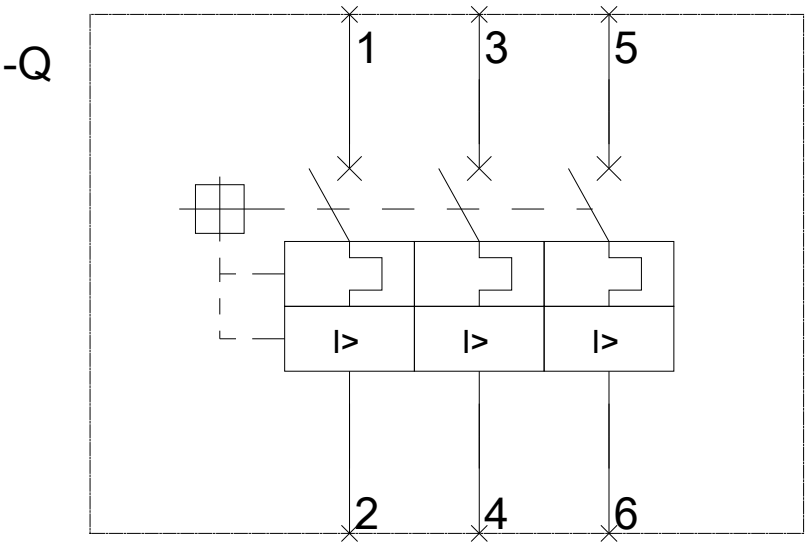
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3VA11121AA360AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA11121AA360AA0

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://ausschreibungstexte.siemens.com/tiplv





last modified: 05.05.2015