## SIEMENS

## Data sheet

## 3VA1163-3ED32-0AA0



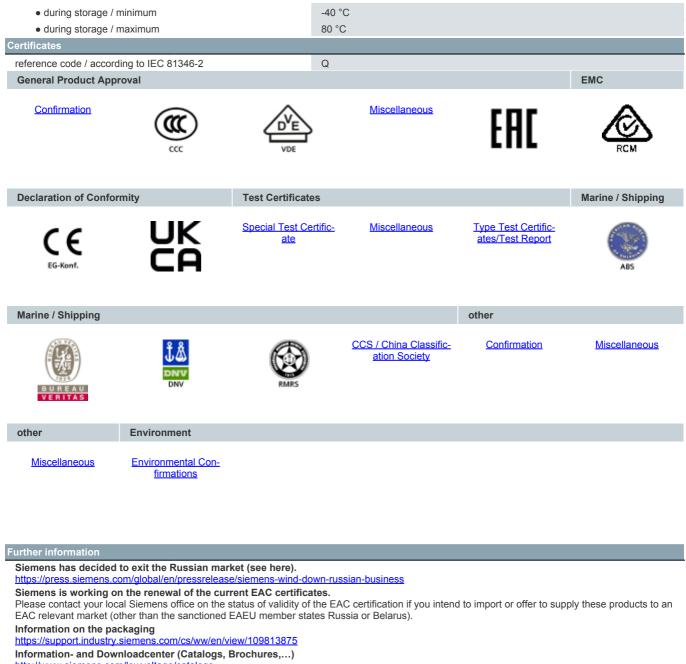
circuit breaker 3VA1 IEC frame 160 breaking capacity class N Icu=25kA @ 415V 3-pole, line protection TM210, FTFM, In=63A overload protection Ir=63A fixed short-circuit protection Ii=10 x In nut keeper kit

Model			
product brand name	SENTRON		
product designation	Molded case circuit breaker		
design of the product	Line protection		
design of the overcurrent release	TM210		
protection function of the overcurrent release	LI		
number of poles	3		
General technical data			
insulation voltage / rated value	800 V		
operating voltage / at DC / rated value	500 V		
operating voltage / at AC / rated value	690 V		
power loss [W] / maximum	17.3 W		
power loss $\left[W\right]$ / for rated value of the current / at AC / in hot operating state / per pole	5.77 W		
mechanical service life (operating cycles) / typical	20 000		
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	9 000		
electrical endurance (operating cycles) / at AC-1 / at 690 V	6 300		
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No		
ground-fault monitoring version	Without		
product function			
<ul> <li>communication function</li> </ul>	No		
<ul> <li>other measurement function</li> </ul>	No		
Net Weight	955 g		
Current			
operational current			
• at 40 °C	63 A		
● at 45 °C	63 A		
• at 50 °C	63 A		
● at 55 °C	62 A		
• at 60 °C	61 A		
● at 65 °C	60 A		
• at 70 °C	58 A		
Switching capacity according to IEC 60947			
switching capacity class of the circuit breaker	Ν		
maximum short-circuit current breaking capacity (Icu)			
• at 240 V	36 kA		
• at 415 V	25 kA		
• at 440 V	16 kA		
• at 500 V	7 kA		
• at 690 V	7 kA		

operating short-circuit current breaking capacity (lcs)			
• at 240 V	36 kA		
• at 415 V	25 kA		
• at 440 V	16 kA		
• at 500 V	5 kA		
• at 690 V	5 kA		
short-circuit current making capacity (Icm)			
• at 240 V	75.6 kA		
• at 415 V	52.5 kA		
• at 440 V	32 kA		
• at 500 V	11.9 kA		
• at 690 V	11.9 kA		
design of short-circuit protection	For switching power values in DC networks, see the 3VA molded case circuit breaker device manual: link to be found under Service & Support in the last		

breaker device manual; link to be found under Service & Support in the last chapter

product testure / for L-tripping / an be switched on/off         No           adjustable response value setting current (i/) / of the L-trip / with 12         -           i maximum         63 A           adjustable response value delay time (i/) / for L-tripping / with 12         -           i maximum         1s           adjustable response value setting current (ii) / for L-tripping / with 12         -           i maximum         630 A           adjustable response value setting current (ii) / for L-tripping / minimum         630 A           adjustable response value setting current (iii) / for L-tripping / minimum         630 A           adjustable setting current (inv) / for N-tripping / minimum         0 A           i maximum         0 A           product function / grounding protection         No           Nechanical Design         -           product function / grounding protection         No           No         -           voltage trigger         No           voltage trigger         No           voltage trigger         No           width (in)         3 in           width (in)         3 in           width (in)         -           ype of detectical connectors / for main current circuit         Font terminal           type of d	Adjustable parameters	
IZ haracteristic     SA       • maximum     63 A       edjustable response value delay time (tr) / for L-tripping / with IZ     Formania       • minimum     1 s       • adjustable response value setting current (li) / for I-tripping     I       • minimum     630 A       • adjustable response value setting current (li) / for I-tripping     630 A       • minimum     630 A       • adjustable setting current (lin) / for N-tripping     0 A       • minimum     0 A       • maximum     0 A       • minimum     0 A       • motioning protection     No       • undervoltage release     No       • voltage trigger     No       • undervoltage release     No       • voltage trigger     3 in       width (in)     3 in       width (in)     3 in       width (in)     3 in       width (in)     3 in       voltage trigger     12 X I m       width (in)     3 in       width (in)     3 in       width (in)     3 in       width (in)     3 in       width (in)     12 X I m       beight     70 mm       Connactions     Fornt terminal       margement of electrical connectors / for main current circuit     Fornt terminal <tr< td=""><td>product feature / for L-tripping / can be switched on/off</td><td>No</td></tr<>	product feature / for L-tripping / can be switched on/off	No
• maximum         63 A           adjustable response value delay time (tr) / for L-tripping / with 12t         -           • minimum         1 s           • maximum         630 A           adjustable response value setting current (ii) / for I-tripping         630 A           • maximum         630 A           • maximum         630 A           adjustable setting current (iii) / for I-tripping         630 A           • maximum         0 A           • rorduct function / grounding protection         No           woltage trigger         No           • undervoltage release         No           • undervoltage trigger         No           • trip indicator         No           height         130 mm           wdth (in)         3i n           wdth         76 2 mm <t< td=""><td></td><td></td></t<>		
adjustable response value delay time (tr) / for L-tripping / with 12t            • minimum         • maximum          adjustable response value setting current (ii) / for 1-tripping         • minimum         • adjustable response value setting current (ii) / for 1-tripping         • minimum         • adjustable response value setting current (iii) / for 1-tripping         • maximum         • adjustable setting current (inN) / for N-tripping         • maximum         • QA         • moduct function / grounding protection         No         • voltage trigger         • No         • voltage trigger         No         • trip indicator         Height [in]         Si 12 in         height [in]         Si 12 in         height [in]         Si 22 in         resting         voltage trigger         No         voltage trigger         Vo         voltage trigger         No         voltage trigger         Von         Von         voltage         voltage	• minimum	63 A
characteristic       is         • minimum       1 s         adjustable response value setting current (II) / for I-tripping       630 A         • maximum       630 A         adjustable setting current (INV) / for N-tripping       630 A         • maximum       60 A         adjustable setting current (INV) / for N-tripping       0 A         • maximum       0 A         product function / grounding protection       No         Mechanical Design       No         product function / grounding protection       No         • undervoltage release       No         • voltage trigger       No         • voltage trigger       No         width [in]       5.12 in         height [in]       3 in         width       76.2 mm         depth [in]       2.76 in         depth [in]       77.6 in         depth [in]       70 mm         Connections       12 x 1 mm         arrangement of electrical connectors / for main current circuit       nut keeper kit on both ends         type of electrical connectors / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connecton / maximum	• maximum	63 A
• maximum         1 s           adjustable response value setting current (iii / for I-tripping         630 A           • miximum         630 A           adjustable setting current (ink) / for N-tripping         630 A           • miximum         0 A           • maximum         0 A           • undervoltage release         No           • voltage trigger         No           • voltage trigger         No           • voltage trigger         No           width         76.2 mm           depth [ri]         276 in           depth [ro]         776 in           depth [ro]         70 mm           Connectobe conductor cross-sections / for flat-bar         12 x 1 mm           terminal connection / f		
adjustable response value setting current (III) / for I-tripping       630 A         emaximum       630 A         adjustable setting current (InN) / for N-tripping       630 A         emaximum       0 A         ordust function / grounding protection       No         Mechanical Design       7         product function / grounding protection       No         Mechanical Design       7         product component       6         • undervoltage release       No         • voltage trigger       No         • tip indicator       No         height [in]       5.12 in         height [in]       31 n         width       76.2 mm         depth       70 mm         Connections       70 mm         arrangement of electrical connectors / for main current circuit       Front terminal         type of consctable conductor cross-sections / for flat-bar       12 x 1 nm         terminal connection / for main current circuit       17 x 6.5 mm         design of the surface / of the connections / on the top of the       Silver         switch (N, 1, 3, 6)       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions	• minimum	1 s
• minimum     630 A       • maximum     630 A       adjustable setting current (inN) / for N-tripping     0 A       • minimum     0 A       • maximum     0 A       product function / grounding protection     No       Mechanical Design     Product component       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [in]     5.12 in       height [in]     5.12 in       height [in]     76.2 mm       depth     70 mm       Connections     To ma       arrangement of electrical connectors / for main current circuit     Front terminal       type of connectable conductor cross-sections / for flat-bar     12 x 1 mm       terminal connection / for anin current circuit     Trut keeper kit on both ends       type of connectable conductor cross-sections / for flat-bar     12 x 1 mm       design of the surface / of the connections / on the top of the swritch (N, 1, 3, 5)     Silver       design of the surface / of the connections / on the top of the swritch (N, 1, 3, 5)     Silver       design of the surface / of the connections / on the top of the swritch (N, 1, 3, 5)     O       design of the surface / of the connections / on the top of the swritch (N, 1, 3, 5)     Silver       product extension / optional / motor drive     Yes	• maximum	1 s
• maximum     630 A       adjustable setting current (InN) / for N-tripping     0       • maximum     0 A       product function / grounding protection     No       Mechanical Design	adjustable response value setting current (li) / for I-tripping	
adjustable setting current (InN) / for N-tripping       0.A         • minimum       0.A         • maximum       0.A         product function / grounding protection       No         Machanical Design       product function / grounding protection         product component       No         • undersoftage release       No         • undersoftage frigger       No         • trip indicator       No         height       130 mm         width [n]       5.12 in         height       3 in         width       76.2 mm         depth [n]       2.76 in         depth [n]       70 mm         Connections       70 mm         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connectors / for flat-bar       12 x 1 mm         terminal connection / minimum       12 x 1 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         terminal connector / minimum       Silver         with (N, 1, 3, 5)       design of the surface / of the connectors / on the top of the swrthet (N, 1, 3, 5)         design of the surface / of the connectors / on the bottom of the swrthet (N, 2, 4, 6)       Silver         mumber of CO contacts / fo	• minimum	630 A
• minimum       0 A         • maximum       0 A         product function / grounding protection       No         Mechanical Design       product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       5.12 in         height [in]       5.12 in         height [in]       5.12 in         height [in]       76 arm         depth [in]       2.76 in         depth       70 mm         Connections       To man         arrangement of electrical connectors / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / minimum       Tr x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 1, 3, 5)       Silver         Accessories       product extension / optional / motor drive       Fin         product extension / optional / motor drive       Yes       Environmental conditions         product extension / optional / motor drive       Yes       Enviconnetabis (P / on the front	• maximum	630 A
• maximum     0 A       product function / grounding protection     No       Mechanical Design	adjustable setting current (InN) / for N-tripping	
product function / grounding protection     No       Mechanical Design     product component       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [in]     5.12 in       height [in]     3 in       width [in]     3 in       width     76.2 mm       depth [in]     2.76 in       depth     70 mm       Connections     arrangement of electrical connectors / for main current circuit       triminum     Front terminal       type of connectable conductor cross-sections / for flat-bar     12 x 1 mm       terminal connection / maximum     17 x 6,5 mm       design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)     Silver       design of the surface / of the connections / on the bott on the most of the switch (N, 1, 3, 5)     Tin       design of the surface / of the connections / on the bott on the most of the switch (N, 1, 3, 5)     Auxiliary circuit       number of CO contacts / for auxiliary contacts     0       Accessories     product extension / optional / motor drive       product extension / optional / motor drive     Yes       Environmental conditions     IP40	• minimum	0 A
Mechanical Design         product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       5.12 in         height [in]       5.12 in         width [in]       3 in         width       76.2 mm         depth [in]       2.76 in         depth [in]       70 mm         Connections       70 mm         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for flat-bar       12 x 1 mm         terminal connection / maximum       12 x 1 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       number of CO contacts / for auxiliary contacts       0         Accessories       product extension / optional / motor drive       Yes         Environmental conditions       IP40       IP40	maximum	0 A
product component     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [In]     5.12 in       height [In]     3 in       width [In]     3 in       width     76.2 mm       depth [In]     2.76 in       depth     70 mm       Connections       arrangement of electrical connectors / for main current circuit       type of electrical connector / for main current circuit     Front terminal       type of connectable conductor cross-sections / for flat-bar     12 x 1 mm       terminal connection / maintum     17 x 6,5 mm       design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)     Silver       design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)     Tin       Axcessories     O       product extension / optional / motor drive     Yes       Environmental conditions     IP40	product function / grounding protection	No
• undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       5.12 in         height       130 mm         width [in]       3 in         width [in]       2.76 in         depth       70 mm         Connections       70 mm         arrangement of electrical connectors / for main current circuit       nut keeper kit on both ends         type of electrical connectors / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / minimum       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Get contacts / for auxiliary contacts         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       Yes         rumber of CO contacts / for auxiliary contacts       0         Accessories       Product extension / optional / motor drive         yes       Yes         Environmental conditions       Yes         Environmental conditions       IP40	Mechanical Design	
• voltage trigger         No           • trip indicator         No           height [in]         5.12 in           height         130 mm           width [in]         30 mm           width [in]         30 mm           width [in]         2.76 in           depth         70 mm           Connections         70 mm           arrangement of electrical connectors / for main current circuit         Front terminal           type of electrical connection / for main current circuit         rut keeper kit on both ends           type of connectable conductor cross-sections / for flat-bar         12 x 1 mm           terminal connection / minimum         17 x 6,5 mm           design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)         6 flat-bar           design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)         Silver           Auxilary circuit         Tin           number of CO contacts / for auxiliary contacts         0           Accessories         0           product extension / optional / motor drive         Yes           Environmental conditions         1P40	product component	
• trip indicator       No         height [in]       5.12 in         height       130 mm         width [in]       3 in         width       76.2 mm         depth [in]       2.76 in         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / maximum       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         Auxiliary circuit       Tin         number of CO contacts / for auxiliary contacts       0         Accessories         product extension / optional / motor drive       Yes         Environmental conditions       Yes         Environmental conditions       1P40	<ul> <li>undervoltage release</li> </ul>	No
height [in]       5.12 in         height       130 mm         width [in]       3 in         width       76.2 mm         depth [in]       2.76 in         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connectors / for main current circuit       Front terminal         type of electrical connectors / for flat-bar       12 x 1 mm         terminal connection / maximum       12 x 1 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       number of CO contacts / for auxiliary contacts         number of CO contacts / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       Protection Silver	<ul> <li>voltage trigger</li> </ul>	No
beight       130 mm         width [in]       3 in         width       76.2 mm         depth [in]       2.76 in         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connectors / for main current circuit       Front terminal         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / maximum       12 x 1 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         Tin         Auxiliary circuit         number of CO contacts / for auxiliary contacts         0       Accessories         product extension / optional / motor drive       Yes         Environmental conditions       Protections         protection class IP / on the front       IP40	trip indicator	No
width [in]       3 in         width       76.2 mm         depth [in]       2.76 in         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / minimum       17 x 6,5 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       0         number of CO contacts / for auxiliary contacts       0         Accessories       Ves         product extension / optional / motor drive       Yes         Environmental conditions       Yes         Environmental conditions       IP40	height [in]	5.12 in
width       76.2 mm         depth [in]       2.76 in         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connection / for main current circuit       Front terminal         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / minimum       17 x 6,5 mm         type of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       number of CO contacts / for auxiliary contacts       0         Accessories       product extension / optional / motor drive       Yes         Environmental conditions       protection class IP / on the front       IP40	height	130 mm
depth [in]       2.76 in         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / minimum       17 x 6,5 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       0         number of CO contacts / for auxiliary contacts       0         Accessories       product extension / optional / motor drive         product extension / optional / motor drive       Yes         Environmental conditions       IP40	width [in]	3 in
depth       70 mm         Connections       arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar terminal connection / minimum       12 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       protection class IP / on the front	width	76.2 mm
Connections         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         terminal connection / minimum       Silver         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       number of CO contacts / for auxiliary contacts         number of CO contacts / for auxiliary contacts       0         Accessories       product extension / optional / motor drive         product extension / optional / motor drive       Yes         Environmental conditions       IP40	depth [in]	2.76 in
arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         terminal connection / maximum       Silver         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         duxiliary circuit       Tin         number of CO contacts / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       Yes         Environmental conditions       IP40	depth	70 mm
type of electrical connection / for main current circuit       nut keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal connection / minimum       17 x 6,5 mm         terminal connection / maximum       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       number of CO contacts / for auxiliary contacts       0         Accessories       product extension / optional / motor drive       Yes         Environmental conditions       IP40       IP40	Connections	
type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         terminal connection / maximum       17 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       0         number of CO contacts / for auxiliary contacts       0         Accessories       yes         product extension / optional / motor drive       Yes         Environmental conditions       IP40	arrangement of electrical connectors / for main current circuit	Front terminal
terminal connection / minimum         type of connectable conductor cross-sections / for flat-bar         terminal connection / maximum         design of the surface / of the connections / on the top of the         switch (N, 1, 3, 5)         design of the surface / of the connections / on the bottom of the         switch (N, 2, 4, 6)         Auxiliary circuit         number of CO contacts / for auxiliary contacts         product extension / optional / motor drive         Yes         Environmental conditions         protection class IP / on the front	type of electrical connection / for main current circuit	nut keeper kit on both ends
terminal connection / maximum         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       Tin         Auxiliary circuit       Tin         number of CO contacts / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       IP40		12 x 1 mm
switch (N, 1, 3, 5)       Image: switch (N, 2, 4, 6)         Auxiliary circuit       Tin         number of CO contacts / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       IP40		17 x 6,5 mm
switch (N, 2, 4, 6)         Auxiliary circuit         number of CO contacts / for auxiliary contacts       0         Accessories         product extension / optional / motor drive       Yes         Environmental conditions         protection class IP / on the front       IP40		Silver
number of CO contacts / for auxiliary contacts     0       Accessories		Tin
Accessories         product extension / optional / motor drive       Yes         Environmental conditions       IP40	Auxiliary circuit	
product extension / optional / motor drive     Yes       Environmental conditions	number of CO contacts / for auxiliary contacts	0
Environmental conditions protection class IP / on the front IP40	Accessories	
protection class IP / on the front IP40	product extension / optional / motor drive	Yes
· · · · · · · · · · · · · · · · · · ·	Environmental conditions	
	protection class IP / on the front	IP40
ambient temperature	ambient temperature	
• during operation / minimum -25 °C	during operation / minimum	-25 °C
• during operation / maximum 70 °C	during operation / maximum	70 °C



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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1163-3ED32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA1163-3ED32-0AA0

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

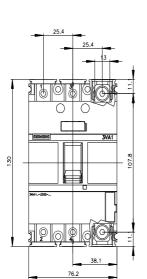
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA1163-3ED32-0AA0

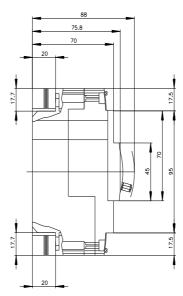
CAx-Online-Generator

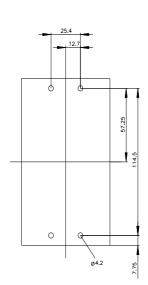
http://www.siemens.com/cax

Tender specifications

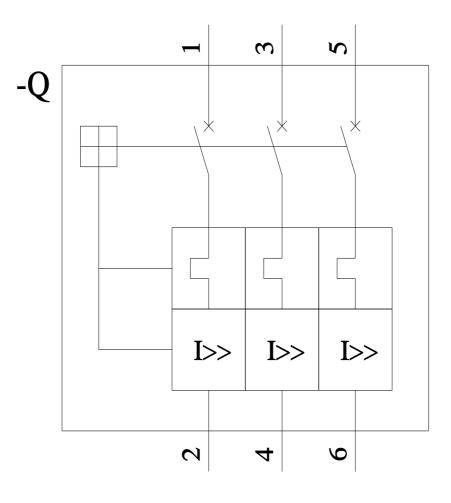
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