## SIEMENS

## Data sheet

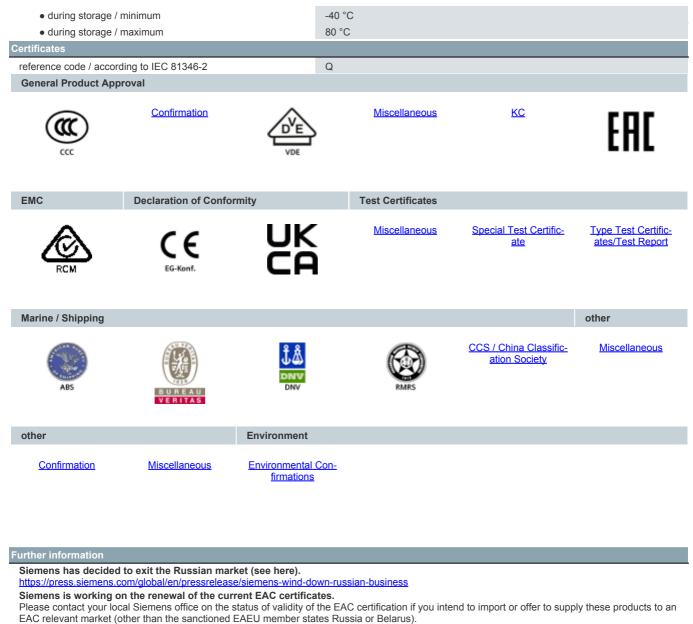
## 3VA1112-4GF42-0AA0



circuit breaker 3VA1 IEC frame 160 breaking capacity class S Icu=36kA @ 415V 4-pole, line protection TM240, ATAM, In=125A overload protection Ir=88A...125A short-circuit protection Ii=5...10 x In N conductor protection 100% nut keeper kit

lodel	
product brand name	SENTRON
product designation	Molded case circuit breaker
design of the product	Line protection
design of the overcurrent release	TM240
protection function of the overcurrent release	LI
number of poles	4
eneral technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	600 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	28.1 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	
communication function	No
<ul> <li>other measurement function</li> </ul>	No
Net Weight	1.29 kg
urrent	
operational current	
● at 40 °C	125 A
● at 45 °C	125 A
● at 50 °C	125 A
● at 55 °C	122 A
● at 60 °C	120 A
● at 65 °C	117 A
● at 70 °C	114 A
witching capacity according to IEC 60947	
switching capacity class of the circuit breaker	S
maximum short-circuit current breaking capacity (Icu)	
• at 240 V	55 kA
• at 415 V	36 kA
• at 440 V	25 kA
• at 500 V	7 kA

••••••••••••••••••••••••••••••••••••		
+ 44 0 V     25 kA       + 45 00 V     5 kA       + 46 60 V     5 kA       + 41 41 V     5 kA       + 41 41 V     12 1 kA       + 41 41 5 V     75 5 kA       + 41 40 V     52 5 kA <td>• at 240 V</td> <td>55 kA</td>	• at 240 V	55 kA
• • • • • • • • • • • • • • • • • • •	• at 415 V	36 kA
• e1 d50 v     5 kA       ethet-etrouit current making capacity (cm)     • 121 kA       • e1 d40 v     525 kA       • e1 d50 v     119 kA       delay of short-occut protection     Por switching power values in DC networks, see the 3VA model cace occut breaker values in DC networks	• at 440 V	25 kA
statistic       statistic         statistic	• at 500 V	5 kA
• at 24 0 V     121 kA       • at 44 0 V     755 bKA       • at 440 V     825 bKA       • at 300 V     119 kA       design of short-circuit protection     For witching power values in DC networks, see the 3VA model case circuit brakes drove manual. link is b to found under Service & Support in the liss!       Adjustable parameters     No       anglustable response value setting current (h) / of the L-tip / vith 12       characteristic     No       - intimum     88 A       - intimum     1 s       - intimum     1 s       - intimum     1 s       - intimum     1 s       - intimum     220 A       - intimum     220 A       - intimum     220 A       - intimum     1 s       - intintiog	• at 690 V	5 kA
+ 414 SV     75.6 kA       - et d60 V     11.9 kA       - et d60 V     For switching power values in DC networks, see the 3VA modeld case circuit breaker device manual; link to be found under Service & Support in the test object       - individual problems value setting current (in/ of the L-trip / value L2 characterize     No       - individual problems value setting current (in/ of the L-trip / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 characterize     No       - individual problems value setting current (in/ for L-trippin / value L2 charac	short-circuit current making capacity (Icm)	
+ 444 0 V     22.5 kÅ       + at 300 V     11.9 kÅ       design of short-circuit protection     For switching power values in DC networks, see the 3VA model case circuit beaker device manuality, link is be found under Service & Support in the lisst obapter       Adjustable parameters     No       protect frature / for L-tripp r / an be switched nord?     No       adjustable response value setting current (in / of the L-trip / with 12t characteristic     No       - maximum     88 Å       - maximum     15       - maximum     15       - maximum     15       - maximum     125 Å       - maximum	• at 240 V	121 kA
• at 800 V       11.9 kÅ         Gesgn of short-circut protection       For switching power values in DC networks, see the 3VA moded case circuit chapter         product feature / for L-tripping / can be switched ox/off       No         adjustable response value setting current (tr) / of the L-trip / with fit the short content off the setting current (tr) / of the L-trip / with fit the short content off the setting current (tr) / of the L-trip / with fit the short content of the setting current (tr) / of the L-trip / with fit the short content of the setting current (tr) / of the L-trip / with fit the short content of the setting current (tr) / for the provide setting curent (tr) / for the pr	• at 415 V	75.6 kA
• al 690 V         11.9 kÅ           design of short-circuit protection         Forsation dense manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found under Service & Support in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last class of ence manual; link to be found in the last in the last in manum.           enclas	• at 440 V	52.5 kA
design of short-circuit protection         For evelobing procer values in DC networks, see the 3/A motiod case circuit chapter           Adjustable parameters         product feature / for L-bripping / can be switched ontoff         No           adjustable response value setting current (Ir) / of the L-brip / with L2 characteristic         No           adjustable response value setting current (Ir) / of the L-brip / with L2 characteristic         No           adjustable response value setting current (Ir) / of the L-brip / with L2 characteristic         No           adjustable response value delay time (tr) / for L-tripping         88 A           - maximum         1 s           adjustable response value setting current (III) / for I-tripping         625 A           - maximum         1 S2 A           adjustable response value setting current (III) / for I-tripping         625 A           - maximum         1 S2 A           adjustable response value setting current (III) / for I-tripping         625 A           - maximum         1 S2 A           - maximum<	● at 500 V	11.9 kA
Breaker device manual; link to be found under Service & Support in the last chapter.           Adjustable presenters           product feature, for L-fripping (can be awtiched only for adjustable response value setting current (i/) / of the L-tinp / with 212 characteristic         No           adjustable response value setting current (i/) / of the L-tinp / with 212 characteristic         SIB A           adjustable response value setting current (i/) / for L-tinping / with 121 Characteristic         SIB A           adjustable response value setting current (i/) / for L-tinping / with 121 Characteristic         SIB A           adjustable response value setting current (i/) / for L-tinping         Is           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for L-tinping         No           adjustable response value setting current (i/) / for N-tinping         No           adjusta	• at 690 V	11.9 kA
product feature / for L-tripping / can be switched on/off         No           adjustable response value setting current (tr) / of the L-trip / with [2] characteristic         88 A           • minimum         125 A           adjustable response value delay time (tr) / for L-tripping / with 12 characteristic         1           • maximum         1           • maximum         1           • maximum         1           • maximum         126 A           adjustable response value setting current (tr) / for L-tripping / with 12 characteristic         1           • maximum         126 A           adjustable setting current (trin) / for N-tripping         125 A           • maximum         125 A           • maximum         125 A           • maximum         125 A           • maximum         126 A           design of the N-conductor protection         100%           Product Component         100%           • underovidage release         No           • trip indicator         No           height         101 form           depth         276 in           depth         70 mm           Connections         17 X 6.5 mm           atrangement of electrical connectors / for main current circuit         11 X 1 mm<	design of short-circuit protection	breaker device manual; link to be found under Service & Support in the last
adjustable response value setting current (tr) / of the L-trip / with [2] characteristic maximum adjustable response value delay time (tr) / for L-tripping / with [2] characteristic minimum adjustable response value setting current (tr) / for L-tripping / with [2] characteristic minimum adjustable response value setting current (tr) / for L-tripping minimum adjustable response value setting current (tr) / for L-tripping minimum 15 adjustable response value setting current (tr) / for L-tripping minimum 125 A design of the N-conductor protection maximum 125 A design of the N-conductor protection No No No voltage trigger No voltage trigger No voltage trigger No voltage trigger No voltage trigger No voltage trigger Annon Mothor Connection / for and n current circuit Arrangement of electrical connectors / for main current circuit Arrangement of electrical connectors / for main current circuit No Connection / for and n current circuit No Connection / for and n current circuit No Connection / for main current circuit No Connection / montum Connection / for main current circuit No Connection / montum Connection / for main cur	Adjustable parameters	
IZ dramachensitic     BA       • maximum     125 A       adjustable response value delay time (tr) / for L-tripping / with IZI     Is       • minimum     1 s       adjustable response value setting current (ii) / for L-tripping     ES A       • maximum     1 s       adjustable response value setting current (iii) / for L-tripping     Is       • maximum     125 A       adjustable setting current (ini) / for N-tripping     Is       • maximum     125 A       adjustable setting current (ini) / for N-tripping     Is       • maximum     125 A       design of the N-conductor protection     100%       product function / grounding protection     No       No     Volage release       • volage ringser     No       • volage ring or main current circuit     No       height (ini)     2.76 in       • depin (or main current circuit     Font terminal       vybe of connections / for main current circuit     Font terminal <td< td=""><td>product feature / for L-tripping / can be switched on/off</td><td>No</td></td<>	product feature / for L-tripping / can be switched on/off	No
• minimum     88 A       • maximum     125 A       adjustable response value delay time (tr) / for L-tripping / with Izt     1       • minimum     1 s       • maximum     1 s       • maximum     1 s       • maximum     1 s       • maximum     1 25 A       • adjustable response value setting current (ii) / for I-tripping     •       • minimum     1 25 A       • adjustable setting current (iii) / for N-tripping     •       • minimum     1 25 A       • adjustable setting current (iii) / for N-tripping     •       • minimum     1 25 A       • delayind file M-conductor protection     100%       product function / grounding protection     No       No     •       • undervoltage release     No       • voltage trigger     No       • voltage trigger     No       • voltage trigger     No       • wolth     101.6 mm       depth [rin]     2.76 in       depth [rin]     2.76 in       response value develow of the connections / for tait-bar       terminal connection / for main current circuit     Proot terminal       type of electrical connections / for flat-bar     Front terminal       type of electrical connections / for flat-bar     Front terminal       tearragement		
• maximum         125 A           adjustable response value delay time (tr) / for L-tripping / with Izt         1           • minimum         1 s           adjustable response value setting current (li) / for L-tripping         1           • maximum         1 a           adjustable response value setting current (li) / for L-tripping         025 A           • maximum         1 260 A           adjustable setting current (lin/) / for N-tripping         025 A           • maximum         1 25 A           • maximum         1 26 A           • deging of the N-conductor protection         100%           #restring indicator         No           • undervoltage release         No           • voltage tripger         No           • tip indicator         No<		00.4
adjustable response value delay time (tr) / for L-tripping / with 12t            emainmum          adjustable response value setting current (il) / for L-tripping          adjustable response value setting current (il) / for L-tripping          emaximum         adjustable response value setting current (il) / for L-tripping          emaximum         adjustable setting current (inN) / for N-tripping          emaximum         125 A         design of the N-conductor protection         product function / grounding protection         No         Metehnical Design         product component         • undervoltage release         No         • tip indicator         No         • tip indicator         No         etchtin         011 6 mm         depth (in)         depth (in)         protections         arrangement of electrical connectors / for main current circuit         Pype of electrical connectors / for main current circuit         Pype of electrical connectors / for fail-bar         terminal connection / for main current circuit         Pype of electrical connection / for main current circuit         Pype of oncetable conductor cross-sections / for fail-bar		
chiarcteristic in inimum 1 s i s i s i s inimum 1 s i s i s i s i s i s i s i s i s i s		120 A
• maximum         1 s           adjustable response value setting current (iii) / for I-tripping         225 A           • maximum         1 250 A           adjustable setting current (ini) / for N-tripping         125 A           • maximum         125 A           design of the N-conductor protection         100%           product function / grounding protection         No           Mechanical Design         -           product component         -           • undervoltage release         No           • voltage triggeri         No           • trip indicator         No           height         130 mm           width [in]         4 in           width [in]         2.76 in           depth         70 im           Connections         -           arrangement of electrical connectors / for main current circuit         Front terminal           type of connectable conductor cross-sections / for flat-bar         12 x 1 mm           terminal connecton / main summer circuit         17 x 6.5 mm           terminal connecton / for inthe corne tircuit         17 x 6.5 mm           terminal connecton / for inthe corne tircuit         17 x 6.5 mm           terminal connecton / for inthe corne tircuit         17 x 6.5 mm		
adjustable response value setting current (iii) / for I-tripping       625 A         • inaximum       1250 A         adjustable setting current (InN) / for N-tripping       1250 A         • inaximum       125 A         design of the N-conductor protection       100%         product function / grounding protection       No         Mechanical Design       Product component         • undarvoltage release       No         • undarge trigger       No         • trip indicator       No         height       130 mm         width (in)       4 in         width (in)       276 in A         depth       70 mm         Connections       Tom main current circuit         type of connectable conductor cross-sections / for flat-bar       12 x 1 mm         terminal conductor cross-sections / for flat-bar       12 x 1 mm         terminal conductor cross-sections / for flat-bar       12 x 1 mm         terminal conductor cross-sections / for flat-bar       12 x 1 mm         terminal conductor for auxiliary contacts       0         Accessories       0         Accessories       0         product extension / optional / motor drive       Yees         Envinonmental conditions       Yees	• minimum	1 s
• minimum     625 A       • maximum     1250 A       adjustable sting current (InN) / for N-tripping     125 A       • maximum     125 A       design of the N-conductor protection     100%       product function / grounding protection     100%       product component     •       • undervoltage release     No       • voltage trigger     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [in]     5.12 in       height [in]     4 in       width     101.6 mm       despth     70 mm       Connections     Front terminal       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 / minimum     12 x 1 mm       type of connectable conductor cross-sections / for flat-bar     Silver       switch (N, 1, 2, 6)     Silver       switch (N, 1, 3, 5)     Gas m       design of the surface / of the connections / on the bottom of the switch (N, 1, 2, 4)     Front terminal       product extension / optional / motor drive     Yes       =     Front terminal     12 x 1 mm       terminal connection / motor drive     Yes	● maximum	1 s
• maximum         1250 Å           adjustable setting current (InN) / for N-tripping         125 Å           • maximum         125 Å           design of the N-conductor protection         100%           product function / grounding protection         No           Machanical Design         Image: Conduct component           • undervoltage release         No           • undervoltage release         No           • undervoltage release         No           • undervoltage release         No           • undervoltage tripper         No           • undervoltage release         No           • undervoltage tripper         No           • undervoltage tripper         No           • undervoltage tripper         No           etip inflicator         No           width [in]         512 in           design (In)         276 in           destift (In)         276 in           destift (In)         101.6 mm           Uppe of electrical connections / for main current circuit         nut keeper kit on both ends           Uppe of electrical connections / for flat-bar         12 × 1 mm           terminal conductor cross-sections / for flat-bar         12 × 1 mm           terminal conductor drossections / on the top of the sw	adjustable response value setting current (li) / for I-tripping	
adjustable setting current (inN) / for N-tripping       125 A         design of the N-conductor protection       100%         product function / grounding protection       No         Machanical Design       product component         • undervoltage release       No         • undervoltage release       No         • infinitionator       No         height [in]       5.12 in         height [in]       5.12 in         width [in]       4 in         width       101.6 mm         depth       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         terminal connection / minimum       12 x 1 mm         terminal connection / for nain current circuit       Tr x 6,5 mm         design of the surface / of the connectors / on the top of the swrthet (N, 2, 4, 6)       Silver         Auxiliary circuit       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       0         Accessories       0         prod	• minimum	625 A
• minimum       125 A         • maximum       125 A         design of the N-conductor protection       100%         product function / grounding protection       No         Mechanical Design       No         product component       • undervoltage release         • undervoltage release       No         • violage trigger       No         • height [in]       5.12 in         height [in]       4 in         width       101.6 mm         depth [in]       2.76 in         depth [in]       2.76 in         depth       70 mm         Connections       12 x 1 mm         arrangement of electrical connectors / for main current circuit       nut keeper kit on both ends         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         design of the surface / of the connections / on the top of the surface / of the connections / on the top of the surface / of the connections / on the top of the surface / of the connections / on the top of the surface / of the connections / on the top of the surface / of the connections / on the bottom of the surface / of the connections / on the top of the surface / of the connection / motor drive         rorduct	• maximum	1 250 A
• maximum     125 A       design of the N-conductor protection     100%       product function / grounding protection     No       Mechanical Design	adjustable setting current (InN) / for N-tripping	
design of the N-conductor protection     100%       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]     4 in       width     101.6 mm       depth     70 mm       Connections     arrangement of electrical connectors / for main current circuit       terminal connection / for main current circuit     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 connections / on the top of the switch (N, 1, 3, 5)     Silver       switch (N, 1, 4, 6)     Auxiliary contacts       Accessories     0       product extension / optional / motor drive     Yes       Environmental conditions     0       protection class IP / on the front     IP40       ambient temperature     -25 °C	• minimum	125 A
product function / grounding protection     No       Mechanical Design       product component       • undervoltage release     No       • voltage trigger     No       height [in]     5.12 in       height     130 mm       width     101.6 mm       depth     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       terminal connectors / on the top of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surface / of the connections / on the bottom of the surfa	• maximum	125 A
Machanical Design         product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height       130 mm         width [in]       4 in         width       101.6 mm         depth       70 mm         Connections       70 mm         arrangement of electrical connectors / for main current circuit       Front terminal         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 / minimum       17 x 6,5 mm         terminal connecton / for 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         Auxilary circuit       number of CO contacts / for auxiliary contacts       0         Accessories       0       Accessories         product extension / optional / motor drive       Yes         Environmental conditions       Predo         arrangement of election (ass IP / on the front       IP40         ambient temperature       eduing operation / minimum       -25 °C	design of the N-conductor protection	100%
product component     • undervoltage release     No       • voltage trigger     No       • height (In)     5.12 in       height (In)     5.12 in       width (In)     4 in       width     101.6 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     12 x 1 mm       terminal connection / maximum     Silver       design of the surface / of the connections / on the top of the switch (N, 2, 4, 6)     Silver       Auxiliary contacts       Auxiliary circuit     rung operation / motor drive       product extension / optional / motor drive     Yes       Environmental conditions     Product extension / optional / motor drive       product extension / optional / motor drive     Yes       Environmental conditions     IP40       ambign temperature     • during operation / minimum	product function / grounding protection	No
undervoltage release     No     voltage trigger     No     trip indicator     No     height [in]     fait and the sufficient of the s	Mechanical Design	
• voltage trigger       No         • trip indicator       No         height [in]       5.12 in         height       130 mm         width [in]       4 in         width       101.6 mm         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 connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         type of connectable conductor cross-sections / for flat-bar       17 x 6,5 mm         terminal connection / maximum       5liver         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Sliver         design of the surface / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       P40         ambient temperature       -25 °C	product component	
• trip indicator       No         height [in]       5.12 in         height       130 mm         width [in]       4 in         width       101.6 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 / minimum       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       0         product extension / optional / motor drive       Yes         Environmental condition set (P/ on the front       IP40         ambient temperature       -25 °C	<ul> <li>undervoltage release</li> </ul>	No
height [in]       5.12 in         height       130 mm         width [in]       4 in         width       101.6 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 / minimum       17 x 6,5 mm         terminal connection / maximum       Silver         witch (N, 1, 3, 5)       Silver         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         number of CO contacts / for auxiliary contacts       0         Accessories         product extension / optional / motor drive       Yes         Environmental conditions       product extension / optional / motor drive         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -during operation / minimum         -25 °C       C	<ul> <li>voltage trigger</li> </ul>	No
height       130 mm         width [in]       4 in         width       101.6 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 electrical connectors / 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)         Axcessories         product extension / potional / motor drive         Yes         Ervironmental conditions         product extension / optional / motor drive         Yes         Ervironmental conditions         product extension / potion drive         Yes         Ervironmental conditions         protection class IP / on the front         ambient temperature         • during op	trip indicator	No
width [in]       4 in         width       101.6 mm         depth       101.6 mm         depth       70 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connection / for main current circuit       Front terminal         type of electrical connection / for flat-bar       12 x 1 mm         terminal connection / maximum       12 x 4 mm         design of the surface / of the connections / 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         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -25 °C	height [in]	5.12 in
width       101.6 mm         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 / maimum       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       product extension / optional / motor drive         protection class IP / on the front       IP40         ambient temperature       -25 °C	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         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       0       Accessories         product extension / optional / motor drive       Yes       Yes         Environmental conditions       IP40       ambient temperature         • during operation / minimum       -25 °C       *C	width [in]	4 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       number of CO contacts / for auxiliary contacts       0         Accessories       product extension / optional / motor drive       Yes         Environmental conditions       IP40       ambient temperature         • during operation / minimum       -25 °C	width	
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         terminal connection / maximum       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       Tin         number of CO contacts / for auxiliary contacts       0         Accessories       Product extension / optional / motor drive         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -25 °C		
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         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       IP40         ambient temperature       e during operation / minimum         -25 °C       °C	•	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         design of the surface / of the connections / on the top of the       Silver         switch (N, 1, 3, 5)       Tin         design of the surface / of the connections / on the bottom of the       Silver         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         ambient temperature       -25 °C		
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       Product extension / optional / motor drive         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -25 °C		
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       0         Accessories         product extension / optional / motor drive       Yes         Environmental conditions         protection class IP / on the front       IP40         ambient temperature       -25 °C		
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         ambient temperature       -25 °C	terminal connection / minimum	
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         ambient temperature       -25 °C	terminal connection / maximum	
switch (N, 2, 4, 6)       Auxiliary circuit         number of CO contacts / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -25 °C	switch (N, 1, 3, 5)	
number of CO contacts / for auxiliary contacts       0         Accessories          product extension / optional / motor drive       Yes         Environmental conditions          protection class IP / on the front       IP40         ambient temperature       -25 °C		Tin
Accessories         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -25 °C	switch (N, 2, 4, 6)	Tin
product extension / optional / motor drive     Yes       Environmental conditions     IP40       ambient temperature     -25 °C	switch (N, 2, 4, 6) Auxiliary circuit	
Environmental conditions         protection class IP / on the front       IP40         ambient temperature       -25 °C	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts	
protection class IP / on the front     IP40       ambient temperature     -25 °C	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories	
ambient temperature • during operation / minimum -25 °C	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive	0
• during operation / minimum -25 °C	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive	0
	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions	0 Yes
during operation / maximum     70 °C	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature	0 Yes IP40
	switch (N, 2, 4, 6) Auxiliary circuit number of CO contacts / for auxiliary contacts Accessories product extension / optional / motor drive Environmental conditions protection class IP / on the front ambient temperature • during operation / minimum	0 Yes IP40 -25 °C



Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA1112-4GF42-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA1112-4GF42-0AA0

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

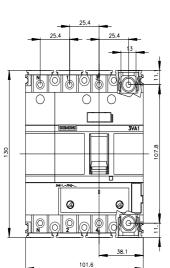
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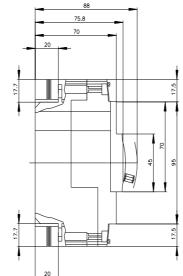
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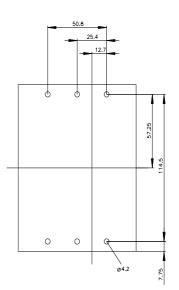
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Tender specifications

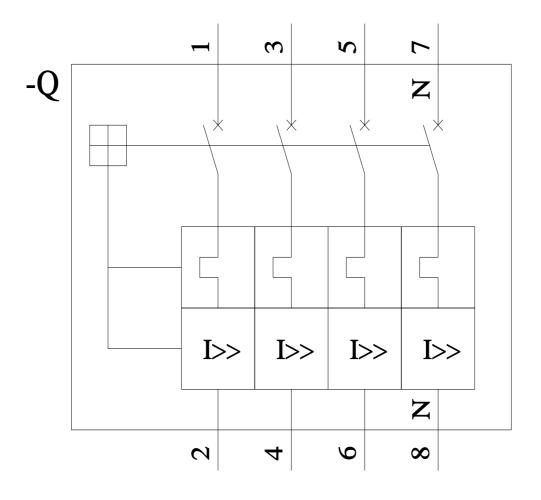
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