## SIEMENS

## Data sheet

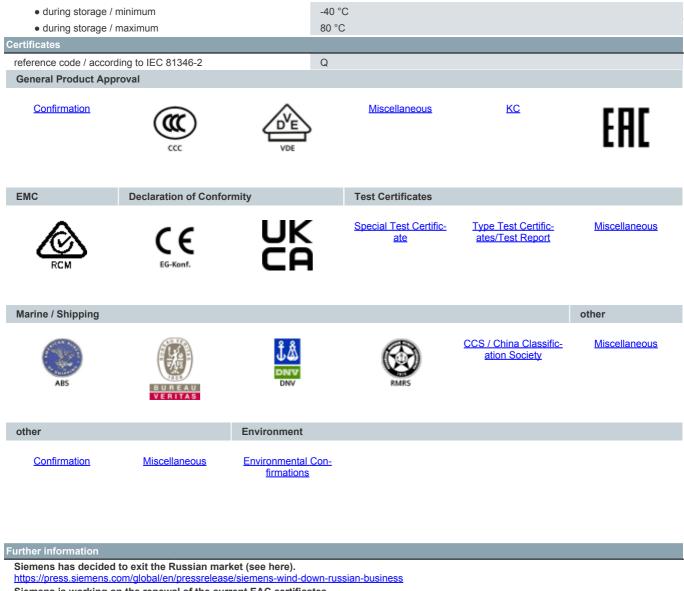
## 3VA1112-4FD42-0AA0



circuit breaker 3VA1 IEC frame 160 breaking capacity class S Icu=36kA @ 415V 4-pole, line protection TM210, FTFM, In=125A overload protection Ir=125A fixed short-circuit protection Ii=10 x In N conductor protection 50% 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	4
General 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	
<ul> <li>communication function</li> </ul>	No
<ul> <li>other measurement function</li> </ul>	No
Net Weight	1.277 kg
Current	
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
Switching 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
• at 690 V	7 kA

•••••••••••••••••••••••••••••••••••		
+ 44 0 V     25 Å       + 45 00 V     5 Å Å       + ar 660 V     5 Å Å       = 12 40 V     5 Å Å       = 14 40 V     121 k Å       - • • • • • • • • • • • × × × × × × × ×	• at 240 V	55 kA
s Mas end boy VS Mashort-crout current making capacity (km)III As = 1240 V121 Mas = 1240 V75.0 S Mas = 1400 V25.5 S Mas = 1600 V11.9 Mas = 1600 V11.9 Mas = 1600 V11.9 Mad darge of inforcis-circuit protectionFor switching power values in DC networks, see the 3VA motiled case circuit betweet even manual, link to be found under Service A Support in the last chapterAguestable parameterFor switching power values in DC networks, see the 3VA motiled case circuit chapterreininnum125 Aadjustable parameter125 Aadjustable response value desky time (b) / for L-bipping / vith.12 circuitande ending current (b) / for L-bipping / vith.12 c		
• 1000 V     5 MA       short exact current rating capacity (fcm)     121 NA       • 1 4 4 5 V     75 5 NA       • 1 4 4 5 V     75 5 NA       • 1 4 4 5 V     75 5 NA       • 1 4 4 5 V     75 5 NA       • 1 4 9 AV     11 9 KA       • 1 9 SA     11 9 KA       • 1 1 9 KA     12 SA       • 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
shot-found numeric making capacity (cm)       12 LA         • at 24 15 V       75.6 KA         • at 44 15 V       75.6 KA         • at 450 V       11.9 KA         • at 500 V       12.5 A         • at 500 V       <		
• at 240 V     121 kA       • at 450 V     755 6kA       • at 460 V     575 6kA       • at 800 V     11.9 kA       Cesign of hort-orcul protection     For writching power values in DC networks, see the SVA model case circuit brighter drown manual, link to be found under Service & Support in the lisst object       Adjustable parameters     No       endipstein response values eating current (r) / of the L-trip / with 12 chasedonide     No       • maintum     125 A       • maintum     126 A       • maintum     126 A       • maintum     128 A       <		5 kA
+ 44 5 V     75.6 kA       • • et 460 V     52.6 kA       • • • et 600 V     11.9 kA       • • • et 600 V     10.9 kA       • • • et 600 V     For ewitching power values in DC networks, see the 3VA moded case circuit braker device manual; link to be found under Service & Support in the last characteristic       • • narianum     • or ewitching power values in DC networks, see the 3VA moded case circuit braker device manual; link to be found under Service & Support in the last characteristic       • • narianum     • DS A       • ediptability response value setting current (in) / of the L-trip / with 12 characteristic     • narianum       • • narianum     15       • • narianum     15       • • narianum     1250 A       • • narianum     1250 A       • • narianum     1250 A       • • narianum     62 A       • • or		
+ 44 40 V     52.5 kA       + at 500 V     11.9 kA       design of short-circuit protection     For switching power values in DC networks, see the 3VA model case circuit betwee device natural, link to be found under Service & Support in the isst obapter       Adjustable parameters     noticit feature / for L-tripping / can be switched on off     No       adjustable response value setting current ((h) / of the L-trip / with 12t     To Advect the tripping / with 12t       - maximum     125 A		
• at 800 V     11.9 kA       design of shuft-circuit protection     For switching power values in DC networks, see the 3VA molded case circuit chapter       product feature / for L-tripping / can be switched on/off     No       adjustable parameters     Improduct feature / for L-tripping / can be switched on/off     No       adjustable response value setting current (h) / for L-tripping / values in DC networks, see the 3VA molded case circuit characteristic     No       - innaimum     125 A	• at 415 V	75.6 kA
• al 690 V         11.9 kÅ           design of short-circuit protection         For short-origoner values in DC networks, see the VA motide case circuit and exact circuit and exac	• at 440 V	
design of short-circuit protection         For workthing power values in DC networks, see the 3/A motiode case circuit chapter           Adjustable parameters         Product feature / for L-bripping / can be switched on/off         No           adjustable response value setting current (/r) of the Linip / with 12 characteristic         No         No           adjustable response value setting current (/r) of the Linip / with 12 characteristic         No         No           adjustable response value setting current (/r) of rhe Linip / with 12 characteristic         15 A         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         1 s         No           adjustable response value setting current (/l) / for L-tripping         No </td <td>• at 500 V</td> <td></td>	• at 500 V	
breaker device manual, tink to be found under Service & Support In the last chapter  Adjustable parameters  product fauture, for L-tripping (can be suched onloff adjustable response value setting current (l/) of the L-tip / with 215 A  adjustable response value setting current (l/) for L-tripping (with 121 Characteristic  intimum  adjustable response value setting current (l/) for L-tripping (with 121 Characteristic  intimum  intimum  iso adjustable response value setting current (l/) for L-tripping  intimum  iso adjustable response value setting current (l/) for L-tripping  intimum  iso adjustable response value setting current (l/) for L-tripping  intimum  iso adjustable setting current (l/) for L-tripping  iso adjustable setting		
product feature / for L-tripping / can be switched on/off         No           adjustable response value setting current (h) / of the L-tip / with IZ characteristic         125 A           adjustable response value delay time (h) / for L-tipping / with IZ characteristic         1           adjustable response value delay time (h) / for L-tipping / with IZ characteristic         1           adjustable response value setting current (h) / for I-tripping         1           adjustable setting current (inv) / for I-tripping         1           adjustable setting current (inv) / for I-tripping         226 A           adjustable setting current (inv) / for I-tripping         62 A           adjustable setting current (inv) / for I-tripping         62 A           design of the N-conductor protection         50%           product function / grounding protection         50%           Machanical Design         Product component           • undervoltage relase         No           • voltage tripger         No           height (in)         276 in           depth [in]         276 in           depth for         70 mm           Connections / nor the bot of the silver         17 × 6.5 mm           arrangement of electrical connectors / for main current circuit         17 × 6.5 mm           type of clectrical connectors / for the bot of the silver	design of short-circuit protection	breaker device manual; link to be found under Service & Support in the last
adjustable response value setting current (Ir) / of the L-trip / with 12 characteristic • minimum 125 A • maximum 125 A • maximum • maxi	Adjustable parameters	
12 Amaradenside     125 A       • maximum     125 A       adjustable response value delay time (tr) / for L-tripping / with 12t     15       • maximum     1 s       adjustable response value setting current (ii) / for L-tripping     1 s       • maximum     1 s       adjustable response value setting current (iii) / for L-tripping     • maximum       • maximum     1 250 A       • maximum     1 250 A       • maximum     62 A       • distable setting current (iii) / for N-tripping     • maximum       • minimum     62 A       • maximum     62 A       • maximum     62 A       • maximum     63 A       • voltage release     No       • trip indicator     No       height     130 mm       woth	product feature / for L-tripping / can be switched on/off	No
• minimum     125 A       • maximum     125 A       • dijustate response value delay time (tr) / for L-tripping / vith 121     1       • minimum     1 s       • maximum     1 s       • maximum     1 250 A       • minimum     1 250 A       • maximum     1 250 A       • ediustable response value setting current (ii) / for I-tripping     •       • minimum     62 A       • ediustable setting current (iii) / for I-tripping     •       • minimum     62 A       • ediustable setting current (iii) / for I-tripping     •       • minimum     62 A       • ediustable setting current (iii) / for I-tripping     •       • maximum     62 A       • design of the K-conductor protection     80%       product function / grounding protection     No       • undervoltage release     No       • undervoltage release     No       • voltage frigger     No       • undervoltage release     No       • voltage frigger     No       • deight fln     5.12 in       height fln     10.6 mm       despth fln     130 mm       width (in]     4 in       width (in]     4 in       width (in]     12 in Inheiting       type of other concortor / for main curre		
• maximum         125 Å           adjustable response value delay time (tr) / for L-tripping / with 12t         -           • minimum         1 s           adjustable response value setting current (li) / for I-tripping         1 s           • minimum         1 260 Å           adjustable response value setting current (lin) / for I-tripping         1 260 Å           • minimum         62 Å           adjustable setting current (lin) / for N-tripping         -           • minimum         62 Å           • maximum         62 Å           design of the N-conductor protection         50%           product function / grounding protection         50%           Mechanical Design         -           product component         -           • undervoltage release         No           • undervoltage release         No           • voltage frigger         No           • trip indicator         No           height         130 mm           width         101.6 mm           deph flo1         2.76 in           deph (lo1         2.76 in           geph (lo1         11 X n fs mm           type of connections         -           arrangement of electrical connectors / for fast-bar		
adjustable response value delay time (rr) / for L-tripping / with 12t         emainmum       1 s         emainmum       1 s         adjustable response value setting current (ii) / for L-tripping       1 s         emainmum       1 250 A         adjustable response value setting current (iii) / for I-tripping       1 250 A         emaximum       1 250 A         adjustable setting current (ini) / for N-tripping       62 A         design of the N-conductor protection       50%         product function / grounding protection       No         Nechanical Design       No         product component       No         • undervoltage release       No         • voltage frigger       No         • tip indicator       No         • tip indicator       No         • degth (in)       2.76 in         degth (in)       2.76 in         degth (in)       2.76 in         velager kiton both ends       Ype of connection / for main current circuit         Ype of connection / for main current circuit       Front terminal         ype of connection / for main current circuit       Front terminal         ype of connection / for main current circuit       Front terminal         ype of connectible conductor ross-sections / for fat-bar </td <td></td> <td></td>		
chiarcteristic  i minimum i 1s i maximum i 1s i maximum i 1s adjustable response value setting current (ih) / for I-tripping i minimum i 250 A i maximum i 262 A i maximum i 18 i maximum i ma		125 A
• minimum     1 s       adjustable response value setting current (II) / for I-tripping     1250 A       • maximum     1250 A       adjustable response value setting current (III) / for I-tripping     1250 A       • maximum     1250 A       adjustable setting current (INN) / for N-tripping     62 A       • maximum     62 A       • eximum     62 A       • eximum     62 A       • maximum     62 A       product function / grounding protection     No       Mechanical Design     No       • undervoltage release     No       • voltage trigger     No       • undervoltage release     No       • worthight     130 mm       width     101.6 mm       depth (In)     2.7 ch in       depth (In)     2.7 ch in       depth (In)     2.7 ch in       grangement of electrical connectors / for main current circuit     nut keeper kit on both ends       type of connectable onductor cross-sections / for faichar     12 x 1 mm       terminal connection / financiau     12 x 1 mm       terminal connection / for aximum     51 ker       design 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 bottom of the surface / of the connections / on the bot of the surface / of the connections / on the bot of the s		
• maximum     1 s       adjustable response value setting current (i/i) / for I-tripping     1 250 A       • maximum     1 250 A       adjustable setting current (i/ii) / for N-tripping     1 250 A       • maximum     62 A       design of the N-conductor protection     50%       product function / grounding protection     No       Mechanical Design     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       • trip indicator     No       • trip indicator     No       • depint (in)     5.12 in       height (in)     5.12 in       width (in)     4 in       width (in)     2.76 in       depth     70 mm       Connections     101.6 mm       capped to connectable conductor cross-sections / for fish-bar     12 X 1 mm       terminal connecton / for main current circuit     runt keeper kit on both ends       type of electrical connectors / for fish-bar     12 X 1 mm       terminal connecton / for main current circuit     runt keeper kit on both ends       type of electrical connectors / for fish-bar     12 X 1 mm       terminal connecton / maximum     Silver       within y certot     Silver       within y certot     0       Accessories<		1 s
adjustable response value setting current (ii) / for i-tripping       1 250 A         adjustable setting current (inN) / for N-tripping       1 250 A         adjustable setting current (inN) / for N-tripping       62 A         • maximum       62 A         design of the N-conductor protection       50%         product function / grounding protection       No         Mechanical Design       Product component         • undervoltage release       No         • volage trigger       No         • trip indicator       No         height [in]       5.12 in         height [in]       4 in         width [in]       4 in         width       101.6 mm         depth [in]       2.76 in         depth [in]       2.76 in         depth (in)       12 x1 nm         arrangement of electrical connections / for main current circuit       runt keeper kit on both ends         type of connectable conductor cross-sections / for flat-bar       12 x1 nm         terminal conductor (in x - 0 in the top of the switce / of the connections / on the top of the switce / of the connections / on the bottom of the switce / of the connection / no the top of the switce / of the connection / on the top of the switce / of the connection / on the bottom of the switce / of the connection / no the bottom of the switce / of the connections / on the bottom of the switce / of the co		
• minimum     1 250 Å       • maximum     1 260 Å       adjustable sting current (InN) / for N-tripping     62 Å       • maximum     62 Å       design of the N-conductor protection     50%       product function / grounding protection     50%       product component     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       • trip indicator     No       • trip indicator     No       • depth     130 mm       width     101.6 mm       depth (In)     2.76 in       depth (In)     2.76 in       depth (In)     2.76 in       of electrical connections / for main current circuit     Front terminal       type of connectable conductor cross-sections / for flat-bar     12 x 1 mm       type of connectable conductor cross-sections / for flat-bar     Silver       switch (N, 1, 2, 4.0)     A (In bar)       design of the surface / of the connections / on the top of the switch (N, 1, 2, 4.0)     Silver       switch (N, 1, 2, 4.0)     Tin       Accessories     0       Accessories     0       product takension / optional / motor drive     Yes       Erwironmental conditions     0       product scharsion / optional / motor drive     Yes<		
• maximum     1250 Å       adjustable setting current (InN) / for N-tripping     62 Å       • maximum     62 Å       design of the N-conductor protection     50%       product function / grounding protection     No       Machanical Dosign     Formation / grounding protection       mudervoltage release     No       • undervoltage release     No       • tip indicator     No       height [in]     5.12 in       height [in]     5.12 in       height [in]     2.76 in       dest[in]     2.76 in       dest[in]     70 mm       Connections     Tommanical conductor cross-sections / for flat-bar       triminal connection / for main current circuit     Front terminal       type of electrical connections / for flat-bar     12 × 1 mm       terminal connection / for main current circuit     11 × 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 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 top of the surface / of the connections / on the top of the surface / of the connections / on the top of the surface / of the		1 250 A
adjustable setting current (inN) / for N-tripping       62 A         • maximum       62 A         design of the N-conductor protection       50%         product function / grounding protection       No         Mechanical Design       product component         • undervoltage release       No         • voltage trigger       No         • in pinicitator       No         height [in]       5.12 in         height [in]       5.12 in         height [in]       6.12 in         width       101.6 mm         depth       70 mm         Connections       Connections / for main current circuit         arrangement 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         desito of the surface / of the connections / on the top of the swrite (N, 2, 4, 6)       Silver         Auxiliary circuit       0         number of CO contacts / for auxiliary contacts       0         Accessories       1P40         ambient temperature       inding operation / minimum         -z5 °C       c		
• minimum       62 A         • maximum       62 A         design of the N-conductor protection       50%         product function / grounding protection       No         Mechanical Design       Image: Construction of the second		
• maximum     62 A       design of the N-conductor protection     50%       product function / grounding protection     No       Mechanical Design		62 A
design of the N-conductor protection       50%         product function / grounding protection       No         Machanical 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         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 main current circuit       17 x 6,5 mm         terminal connection / maximum       Gesign 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, 1, 4, 6)       In         Accessories       O         product extension / optional / motor drive       Yes         Environmental conditions       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       0         Accessories       - <td></td> <td></td>		
product function / grounding protection       No         Mechanical Design         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       70 mm         Connections       70 mm         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       12 x 1 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 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 i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on the bottom of the surface i / of the connections / on t		
Mechanical Design         product component         • undervoltage trigger         No         • vitig age trigger         No         • height [n]         height         130 mm         width [n]         width [n]         depth         Connections         arrangement of electrical connectors / for main current circuit         Protocomectable conductor cross-sections / for flat-bar         terminal connection / for main current circuit         type of connectable conductor cross-sections / for flat-bar         terminal connection / for main current circuit         terminal connection / mainmum         design of the surface / of the connections / on the bot of the         silver </td <td></td> <td>No</td>		No
product component     • undervoltage release     No       • voltage trigger     No       • voltage trigger     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 connectable conductor cross-sections / for flat-bar     12 x 1 nm       terminal connection / minimum     12 x 1 nm       terminal connection / maximum     Silver       design of the surface / of the connections / on the top of the switch (N, 2, 4, 6)     Silver       Auxiliary circuit     number of CO contacts / for auxiliary contacts       number of CO contacts / for drive     Yes       Environmental conditions     IP40       ambient temperature     • during operation / minimum		
• undervoltage release     No       • voltage trigger     No       • trip indicator     No       height (in)     5.12 in       height (in)     130 nm       width (in)     4 in       width (in)     4 in       width (in)     01.6 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 nm       terminal connection / maximum     12 x 1 nm       design of the surface / of the connections / on the top of the switch (N, 2, 4, 6)     Silver       axwitality circuit     Tin       number of CO contacts / for auxiliary contacts     0       Accessories     Product extension / optional / motor drive       protection class IP / on the font     IP40       ambient temperature     -during operation / minimum		
• 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       rut keeper kit on both ends         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         terminal connectable / maximum       71 x 6,5 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         Auxiliary circuit       run         number of CO contacts / for auxiliary contacts       0         Accessories       0         product extension / optional / motor drive       Yes         Environmental conditions       Yes         Environmental conditions       Protection class IP / on the front         protection class IP / on the front       IP40         ambient temperature       -25 °C		No
• 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 electrical connectors / 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         witch (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       1P40         ambient temperature       -during operation / minimum	-	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 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 connector / maximum       Silver         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         Auxiliary circuit         number of CO contacts / for auxiliary contacts       0         Accessories         product extension / optional / motor drive       Yes         Environmental conditions       Yes         product extension / optional / motor drive       Yes         Environmental conditions       P40         ambient temperature       -25 °C	trip indicator	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 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 connector / maximum       Silver         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       Silver         Auxiliary circuit         number of CO contacts / for auxiliary contacts       0         Accessories         product extension / optional / motor drive       Yes         Environmental conditions       Yes         product extension / optional / motor drive       Yes         Environmental conditions       P40         ambient temperature       -25 °C	height [in]	5.12 in
width       101.6 mm         depth       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 electrical connection / for flat-bar       12 x 1 mm         terminal connection / maimum       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         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		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 / mainmum       17 x 6,5 mm         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 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 [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	101.6 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       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         protection class IP / on the front       IP40         ambient temperature       -25 °C	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         terminal connection / minimum       17 x 6,5 mm         terminal connection / main current circuit       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	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         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       e during operation / minimum         -25 °C       °C	Connections	
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         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 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         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 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         ambient temperature       -25 °C	type of connectable conductor cross-sections / for flat-bar	12 x 1 mm
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	
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	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	switch (N, 2, 4, 6)	Tin
Accessories         product extension / optional / motor drive       Yes         Environmental conditions       IP40         ambient temperature       -25 °C		
product extension / optional / motor drive     Yes       Environmental conditions     IP40       ambient temperature     -25 °C		0
Environmental conditions         protection class IP / on the front       IP40         ambient temperature       -25 °C		
protection class IP / on the front     IP40       ambient temperature     -25 °C		Yes
ambient temperature • during operation / minimum -25 °C		
• during operation / minimum -25 °C	•	IP40
during operation / maximum     70 °C		
	<ul> <li>during operation / maximum</li> </ul>	70 °C



Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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

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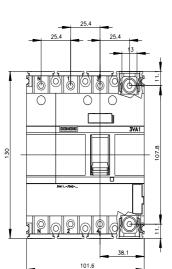
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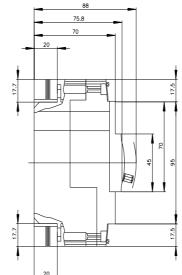
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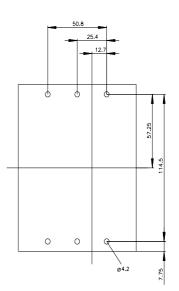
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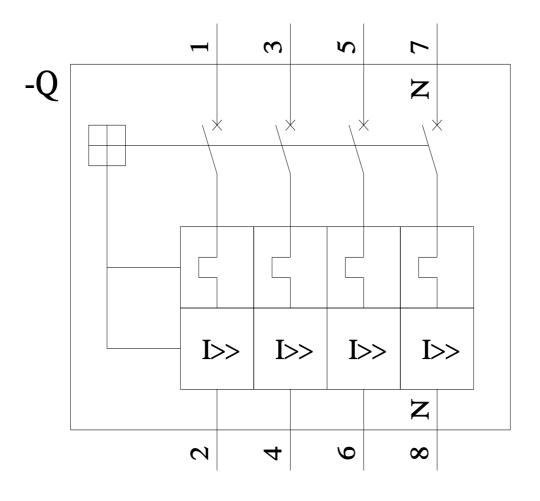
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