## SIEMENS

## Data sheet

## 3VA5211-5EC32-0AA0



circuit breaker 3VA5 UL frame 250 breaking capacity class M 35kA @ 480 V 3-pole, line protection TM230, FTAM, In=110A overload protection Ir=110A fixed short-circuit protection Ii=5...10 x In nut keeper kit on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	MFAS
design of the product	System protection
design of the load switch / according to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type)	Yes
design of the load switch / according to UL 489 / High-Intensity- Discharge circuit breaker (HID Type)	No
design of the load switch / according to UL 489 / Switching Duty circuit breaker (SWD Type)	No
design of the overcurrent release	TM230
protection function of the overcurrent release	Ц
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at DC / rated value	750 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	23 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	7.53 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	8 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	4 000
electrical endurance (operating cycles) / at 480 V	8 000
electrical endurance (operating cycles) / at 600 V	4 000
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	2.192 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
• at 40 °C	110 A
• at 45 °C	107 A
● at 50 °C	104 A
• at 55 °C	100 A
• at 60 °C	97 A
● at 65 °C	94 A

Building capacity according to IEC 0007         M           Interacting capacity data of the crout breaker maximum inter-critical carrent breaking capacity (low)         M                •••••••••••••••••••••••••	● at 70 °C	91 A
entention         M           maximum short-circuit current breaking capacity (low)         85 KA           eit 820 V         85 KA           eit 815 V         85 KA           eit 815 V         85 KA           eit 816 V         187 KA           eit 816 V         187 KA           eit 816 V         187 KA           eit 816 V         113 KA           eit 810 V         113 KA           eit 810 V         85 KA           eit 810 V         85 KA           eit 810 V         110 A           eit 810 V         10 A           eit 810 V         10 A		
maxmum short-chail curret breaking capady (low)         54.4           • # 26 V         55.4           • # 66 V         74.4           • # 26 V         55.4           • # 66 V         74.4           • # 26 V         55.4           • # 64 SV         124 NA           • # 66 OV         124 NA <tr< td=""><td></td><td>M</td></tr<>		M
•••••••••••••••••••••••••••••••••••		
4 41 5 V55 VAoperating short-circuit current breaking capacity (ics)55 VA• 4 41 5 V55 VA• 4 41 5 V55 VA• 4 41 5 V7 VA• 4 41 5 V107 VA• 10 1 A100 A• 10 1 A		85 kA
• #188 V7 KAoperaling short-corit current breaking capacity (ics)55 KA• # 415 V55 KA• # 416 V7 KA• # 416 V7 KA• # 414 SV107 KA• # 414 SV121 KA• # 414 SV121 KA• # 414 SV110 KA• # 415 SV110		
operating short-orbuit current breaking capacity (ics)         # 4240 Y           • • • • • • • • • • • • • • • • • • •		
e: 240 V     85 Å       e: 450 V     75 Å       e: 650 V     77 Å       athot Cruut current making capacity (tem)     17 Å Å       e: 420 V     167 Å Å       e: 415 V     121 Å Å       e: 415 V     15 Å Å       e: 680 V     115 Å Å       design of short-circuit protection     For switching prove values in DC networks, see the 3VA molecid case circuit breaking capacity       design of short-circuit protection     For switching prove values in DC networks, see the 3VA molecid case circuit breaking capacity       e. 480 V     35 Å Å       e. 480 V     35 Å Å       e. 480 V     35 Å Å       e. 600 V     10 Å       e. 600 V     10 Å       Allertable response value setting current (h/ of the L-try/ with 12 hrandenistic       e. innimum     110 Å       e. innimum     110 Å       e. innimum     15 n       e. innimum     15 N       e. innimum     560 Å       e. innimum     0 Å       e. innimum     0 Å       e. innimum     10 Å       e. innimum     10 Å       e. innimum     10 Å       e. innimum     0 Å       e. innimum     10 Å       e. innimum     10 Å       e. innimum     10 Å       e. innimum		
414 5 V55 KAor R47 KA0 A Construction traking capacity (lem)167 KA0 414 5 V121 KA0 414 5 V121 KA0 416 5 V15 KAdesign 0 fanot-circuit protectionIn 50 KAdesign 0 fanot-circuit protectionServicing power values in DC networks, see the 3VA moded case circuit breaker device namual, ink to be found under Service 8 Support in the last carent breaking capacitycurrent breaking capacity05 KA0 416 0 V35 KA0 416 0 V35 KA0 416 0 V18 KA0 416 0 V100 A0 416 0 V10 A <td></td> <td>95 kA</td>		95 kA
• al 680 V7 kAshort-cuit current making capacity (tem)167 kA• al 70 V167 kA• al 680 V121 kA• al 680 V121 kA• al 680 V13 kAdesign of short-circuit protectionFor switching power values in DC networks, see the 3VA molded case circuit capaterSwitching capacity incording to UL 480For switching power values in DC networks, see the 3VA molded case circuit capaterSwitching capacityFor switching power values in DC networks, see the 3VA molded case circuit capaterSwitching capacitySt KA• al 800 V35 kA• al 800 V16 kA• al 800 V10 A• al 8		
shot-circuit current making capacity (icm)		
• if 240 V     197 KA       • if 240 V     121 kA       • if 250 V     121 kA       (design of short-circuit protection     For switching power values in DC networks, see the 3VA molded case circuit citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manual; link to be found under Service & Support in the last citative device manuad; link to be		
• all 415 V     119 kÅ       design of shirt-dircuit 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 less device manual; link to be found under Service & Support in the less device manual; link to be found under Service & Support in the less device manual; link to be found under Service & Support in the less device manual; link to be found under Service & Support in the less device manual; link to be found under Service & Support in the less device manual; link to be found under Service & Support in the less device device manual; link to be found under Service & Support in the less device device manual; link to be found under Service & Support in the less device device device device device device & Support in the less device device device device device device & Support in the less device device device device device device device & Support in the less device device devic		187 kA
• al 690 V11.9 kAdesign of short-circuit protectionFor switching power values in DC networks, see the SUA molded case circuit babletSwitching capacity according to UL 4390current breaking capacity5 kA• al 240 V85 kA• at 400 V36 kA• at 400 V36 kA• at 600 V10 kDdigitable response value setting current (I/) / of the L-trip / with 12 characteristicdigitable response value setting current (I/) / of the L-trip / with 12 characteristicdigitable response value setting current (I/) / of the L-trip / with 12 characteristic• minimum1 10 Aediustable response value setting current (I/) / for I-tripping / with 120 characteristic• minimum1 s• minimum1 s• minimum550 A• minimum0 Aadjustable response value setting current (I/) / for I-tripping / with 120 characteristic1100 Aadjustable current (IN) / for N-tripping / with 120 characteristic100 Aadjustable current response value current / of the current- depondent overlateristicNo• maximum0 A• maximum100 A• maximum0 A• maximum100 A• maximum100 A• maximum0 A• maximum100 A• maximum100 A• maximum100 A• maximum0 A• maximum0 A• maximum100 A• maximum100 A• maximum100 A• mota		
design of short-circuit protection         For switching power values in DC network, see the 3VA molded case circuit chapter           Switching capacity according to UL 489         Current breaking capacity           current breaking capacity         S5 kA           • at 40 V         S5 kA           • at 40 V         S5 kA           • at 40 V         S5 kA           • at 600 V         18 kA           Adjustable parameters         Initianum           adjustable response value setting current (IV) / of the L-tirp / with I2t characteristic         Initianum           • minimum         110 A           • maximum         1 s           • minimum         1 s           • minimum         1 s           • minimum         550 A           • minimum         0 A           • maximum         1 100 A           adjustable response value setting current (IV) / for I-tirpping / with I2t characteristic         Initianum           • maximum         0 A           • maximum         1 s           • maximum         0 A		
braker device manual: link to be found under Service & Support in the last depter current breaking capacity • at 20 V • at 20 V		
current breaking capacity     85 kA       • at 240 V     85 kA       • at 360 V     35 kA       • at 360 V     18 kA       Adjustable parameters     adjustable response value setting current (ir) / of the L-trip / with I2t characteristic       • minimum     110 A       • maximum     110 A       • adjustable response value delay time (ir) / for L-tripping / with I2t characteristic     is       • minimum     1 s       • adjustable response value setting current (ii) / for L-tripping / with I2t characteristic     is       • minimum     1 s       • adjustable response value setting current (ii) / for L-tripping     is       • minimum     1 00 A       • adjustable response value setting current (in) / for I-tripping     is       • minimum     0 A       • minimum     0 A       • maximum     0 A       • minimum     0 A       • orduct function / grounding protection     No       • voltage trigger     No       • voltage trigger     No       • voltage trigger     No	design of short-circuit protection	breaker device manual; link to be found under Service & Support in the last
• at 240 V         85 kA           • at 800 V         35 kA           • at 800 V         35 kA           Adjustable response value setting current (ir) / of the L-tip / with l2t characteristic         10 A           • minimum         110 A           • maximum         110 A           • minimum         110 A           • minimum         110 A           • minimum         110 A           • minimum         1 s           • maximum         1 s           • minimum         1 s           • minimum         1 s           • maximum         100 A           • dijustable cesponse value setting current (in/) / for I-tripping         •           • minimum         0 A           • maximum         0 A           • voldiqustable current (in/) / for N-tripping	Switching capacity according to UL 489	
• at 480 V       35 kA         • at 600 V       18 kA         adjustable parameters       -         adjustable parameters       110 A         • minimum       110 A         • maximum       110 A         • minimum       110 A         • maximum       110 A         • maximum       110 A         • maximum       110 A         • maximum       1 s         adjustable response value delay time (tr) / for L-tripping / with 12t       -         • maximum       1 s         adjustable response value setting ourrent (li) / for L-tripping       -         • maximum       1 s         adjustable setting ourrent (lin) / for N-tripping       -         • maximum       0 A         adjustable current response value current / of the current-       -         operaduct function / grounding protection       No         Mechanical Design       -         product component       -         • undervoltage release       No         • voltage trigger       No         • undervoltage release       No         • undervoltage release       No         • undervoltage release       No         • undervoltage release       No<	current breaking capacity	
• at 600 V       Adjustable response value setting current (ir) / of the L-trip / with for the format densities current (ir) / of the L-trip / with for the format densities current (ir) / of the L-trip / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current (ir) / for L-tripping / with for the format densities current format densities current (ir) / for L-tripping / with for the format densities current format densities current / of the current densities current for format densities current / of the current densities current for format densities current / of the current densities current densit densities current densit densities current d	• at 240 V	85 kA
Adjustable parameters         adjustable response value setting current (ir) / of the L-trip / with         12 characteristic         • minimum         • maximum         • maximum         • minimum         • minimum         • minimum         • minimum         • minimum         • minimum         • maximum         adjustable response value delay time (tr) / for L-tripping / with [2t]         • minimum         • maximum         0 A         adjustable current (lnN) / for N-tripping         • minimum         • undervolage release <tr< td=""><td>• at 480 V</td><td>35 kA</td></tr<>	• at 480 V	35 kA
adjustable response value setting current (in) / of the L-trip / with Lt characterisitie • minimum • maximum adjustable response value delay time (ir) / for L-tripping / with 12t characterisite • minimum • maximum • nakimum • maximum • maximum	• at 600 V	18 kA
Iz characteristic     inimium       inimium     110 A       argustable response value delay time (tr) / for L-tripping / with Izt characteristic     is       ininimum     1 s       adjustable response value setting current (li) / for I-tripping / with Izt characteristic     is       adjustable response value setting current (li) / for I-tripping / with Izt characteristic     is       adjustable response value setting current (li) / for I-tripping / with Izt current (lin) / for N-tripping / minimum     550 A       adjustable setting current (lin) / for N-tripping / minimum     0 A       adjustable setting current (lin) / for N-tripping / minimum     0 A       adjustable current response value current / of the current-dependent overload release     100 110 A       product function / grounding protection     No       Machanel Dosign     Image: Simma (Simma (Sim	Adjustable parameters	
• maximum     110 Å       adjustable response value delay time (tr) / for L-tripping / with 12t     -       • minimum     1 s       adjustable response value setting current (li) / for I-tripping     -       • maximum     550 Å       a djustable setting current (li) / for I-tripping     -       • maximum     100 Å       adjustable setting current (nN) / for N-tripping     -       • maximum     0 Å       adjustable setting current (nN) / for N-tripping     -       • maximum     0 Å       adjustable current response value current / of the current-     -       dependent overload release     110 110 Å       product function / grounding protection     No       Mechanical Design     -       product function / grounding protection     No       • undervoltage release     No       • voltage trigger     No       • undervoltage release     No       • width [in]     7.28 in       height     105 mm       idepth     605 mm       depth     605 mm       depth     505 mm       width [in]     3.27 in       ing     3.27 in       depth     50 s M       ype of connectable conductor cross-sections / for flat-bar     Font connection       type of connectable con	adjustable response value setting current (Ir) / of the L-trip / with	
adjustable response value delay time (tr) / for L-tripping / with l2t            • minimum         • miximum         1 s         • maximum         1 s         4djustable response value setting current (li) / for I-tripping         • minimum         • maximum         100 A         adjustable setting current (lnN) / for N-tripping         • minimum         0 A         adjustable setting current (lnN) / for N-tripping         • minimum         0 A         adjustable setting current (nN) / for N-tripping         • maximum         0 A         adjustable current response value current / of the current-         dependent overload release         product component         • undervoltage release         No         voltage trigger         No         voltage         voltage         remaint         voltage	• minimum	110 A
characteristic     1 s       • minimum     1 s       • maximum     1 s       adjustable response value setting current (ii) / for I-tripping     550 A       • maximum     100 A       adjustable setting current (inN) / for N-tripping     100 A       • maximum     0 A       • product function / grounding protection     No       Mechanical Dosign     No       • undervoltage release     No       • undervoltage release     No       • undervoltage release     No       • undervoltage release     No       • wolth     105 mm       • undervoltage release     No       • wolth     105 mm       • undervoltage release     No       • wolth     105 mm	• maximum	110 A
• maximum         1 s           adjustable response value setting current (ii) / for I-tripping         550 A           • maximum         1100 A           adjustable setting current (inN) / for N-tripping         0           • maximum         0 A           • product function / grounding protection         No           • voltage release         No           • keight [in]         7.28 in           height [in]         3.27 in           depth         83 mm           Connections         In texper kit on both ends           type of electr		
adjustable response value setting current (II) / for I-tripping       550 A         • maximum       1100 A         adjustable setting current (INN) / for N-tripping       0 A         • innimum       0 A         • maximum       0 A         • maximum       0 A         • adjustable setting current (INN) / for N-tripping       0 A         • maximum       0 A         • maximum       0 A         adjustable current response value current / of the current-dependent overload release       110 110 A         dependent overload release       No         product function / grounding protection       No         Mechanical Design       No         product component       No         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       7.28 in         height [in]       4.13 in         width       105 mm         depth [in]       3.27 in         depth [in]       55 x 8 mm         terminal connection / f	• minimum	1 s
• minimum     550 A       • maximum     1100 A       adjustable setting current (InN) / for N-tripping     0       • minimum     0 A       • maximum     0 A       adjustable current response value current / of the current- dependent overhoad release     0 A       andjustable current response value current / of the current- dependent overhoad release     No       product function / grounding protection     No       Mechanical Design     No       product component     No       • undervoitage release     No       • voltage trigger     No       • ing indicator     No       height [in]     7.28 in       height [in]     4.13 in       width [in]     3.27 in       depth     83 mm       Connections     Front connection       type of connectable conductor cross-sections / for flat-bar     13 x 1 mm       terminal connection / minimum     25 x 8 mm       terminal connectable conductor cross-sections / for flat-bar     silver       terminal connectable conductor cross-sections / for flat-bar     silver	• maximum	1 s
• maximum       1 100 A         adjustable setting current (InN) / for N-tripping       0 A         • minimum       0 A         • diptable current response value current / of the current- dependent overload release       110 110 A         product function / grounding protection       No         Mechanical Design       No         product component       • indievoltage release         • inp indicator       No         • indievoltage release       No         • voltage trigger       No         • ing indicator       No         • height [in]       7.28 in         height [in]       4.13 in         width       105 mm         depth [in]       3.27 in         depth [in]       3.27 in         depth [in]       3.27 in         tryp of electrical connectors / for main current circuit       Front connection         type of connectable conductor cross-sections / for flat-bar       13 x 1 mm         terminal connection / maximum       25 x 8 mm         design of the surface / of the connection / on the bottom of the silver       silver	adjustable response value setting current (li) / for I-tripping	
adjustable setting current (InN) / for N-tripping       0 A         • maximum       0 A         adjustable current response value current / of the current- dependent overload release       110 110 A         adjustable current response value current / of the current- dependent overload release       110 110 A         product function / grounding protection       No         Machanical Design       Interview of the current- overload release         product component       Interview of the current- overload release         • underview of trippindicator       No         • underview of trippindicator       No         • ling indicator       No         • trip indicator       No         height       185 mm         width [in]       7.28 in         height       105 mm         depth (in]       3.27 in         depth       83 mm         Connections       Interview of the connectors / for main current circuit         trype of electrical connectors / for flat-bar       13 x 1 mm         terminal connection / minimum       25 x 8 mm         terminal connector / maximum       silver         Auxiliary circuit       silver	• minimum	550 A
• minimum     0 A       • maximum     0 A       adjustable current response value current / of the current- dependent overload release     110 110 A       product function / grounding protection     No       Mechanical Design     No       product component     • undervoltage release       • voltage trigger     No       • voltage trigger     No       • height     185 mm       width [in]     4.13 in       width     105 mm       depth     3.27 in       depth     3.27 in       connections     Front connection       Type of electrical connectors / for main current circuit     Front connection       type of connectable conductor cross-sections / for flat-bar     13 x 1 mm       terminal connection / maximum     25 x 8 mm       design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)     silver	• maximum	1 100 A
• maximum         0 A           adjustable current response value current / of the current- dependent overload release         110 110 A           product function / grounding protection         No           Mechanical Design         -           product component         -           • undervoltage release         No           • voltage trigger         No           • trip indicator         No           height [in]         7.28 in           height [in]         4.13 in           width [in]         3.27 in           depth         08 mm           Connections         -           arrangement of electrical connectors / for main current circuit         Front connection           type of connectable conductor cross-sections / for flat-bar         13 x 1 mm           terminal connection / maximum         25 x 8 mm           design of the surface / of the connections / on the bottom of the silver         silver	adjustable setting current (InN) / for N-tripping	
adjustable current response value current / of the current-       110 110 A         dependent overload release       no         product function / grounding protection       No         Mechanical Design	• minimum	0 A
dependent overload release       No         moduct function / grounding protection       No         Mechanical Design       Forduct component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       7.28 in         height [in]       4.13 in         width [in]       4.13 in         width [in]       3.27 in         depth       83 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       Front connection         type of connectable conductor cross-sections / for flat-bar       13 x 1 mm         terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	• maximum	0 A
mechanical Design         product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       7.28 in         height       185 mm         width [in]       4.13 in         width [in]       3.27 in         depth       33 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connectors / for flat-bar terminal connection / minimum       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / minimum       25 x 8 mm         type of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver		110 110 A
product component     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [in]     7.28 in       height     185 mm       width [in]     4.13 in       width [in]     4.13 in       width [in]     3.27 in       depth     83 mm       Connections     Front connection       arrangement of electrical connectors / for main current circuit     Front connection       type of electrical connection / for main current circuit     13 x 1 mm       type of connectable conductor cross-sections / for flat-bar terminal connection / maximum     25 x 8 mm       design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)     silver		No
• undervoltage release         No           • voltage trigger         No           • trip indicator         No           height [in]         7.28 in           height [in]         7.28 in           width [in]         4.13 in           width [in]         4.13 in           width [in]         3.27 in           depth [in]         3.27 in           depth         83 mm           Connections           arrangement of electrical connectors / for main current circuit         Front connection           type of electrical connectors / for main current circuit         nut keeper kit on both ends           type of connectable conductor cross-sections / for flat-bar terminal connection / maximum         25 x 8 mm           design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)         silver	Mechanical Design	
• voltage triggerNo• trip indicatorNoheight [in]7.28 inheight [in]185 mmwidth [in]4.13 inwidth [in]3.27 indepth [in]3.27 indepth3 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connectors / for main current circuitFront connectiontype of connectable conductor cross-sections / for flat-bar terminal connection / minimum13 x 1 mmtype of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)25 x 8 mmAuxiliary circuitsilver	product component	
• trip indicator       No         height [in]       7.28 in         height [in]       185 mm         width [in]       4.13 in         width [in]       3.27 in         depth [in]       3.27 in         depth       83 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connectors / for flat-bar       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar       25 x 8 mm         type of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	undervoltage release	No
height [in]7.28 inheight [in]185 mmwidth [in]4.13 inwidth [in]105 mmdepth [in]3.27 indepth83 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connectors / for main current circuitFront connectiontype of connectable conductor cross-sections / for flat-bar terminal connection / minimum13 x 1 mmtype of connectable conductor cross-sections / for flat-bar terminal connection / maximum25 x 8 mmdesign of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)silver	voltage trigger	No
height       185 mm         width [in]       4.13 in         width       105 mm         depth [in]       3.27 in         depth       83 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connectors / for main current circuit       Front connection         type of connectable conductor cross-sections / for flat-bar terminal connection / minimum       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	trip indicator	No
width [in]4.13 inwidth105 mmdepth [in]3.27 indepth83 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connectors / for main current circuitFront connectiontype of electrical connectors / for flat-bar terminal connection / minimum13 x 1 mmtype of connectable conductor cross-sections / for flat-bar terminal connection / maximum25 x 8 mmdesign of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)silver	height [in]	7.28 in
width       105 mm         depth [in]       3.27 in         depth       83 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connection / for main current circuit       Front connection         type of connectable conductor cross-sections / for flat-bar terminal connection / minimum       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	height	185 mm
depth [in]3.27 indepth83 mmConnectionsarrangement of electrical connectors / for main current circuitarrangement of electrical connectors / for main current circuitFront connectiontype of electrical connection / for main current circuitnut keeper kit on both endstype of connectable conductor cross-sections / for flat-bar terminal connection / minimum13 x 1 mmtype of connectable conductor cross-sections / for flat-bar terminal connection / maximum25 x 8 mmdesign of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)silver	width [in]	4.13 in
depth       83 mm         Connections       arrangement of electrical connectors / for main current circuit       Front connection         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       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	width	105 mm
Connections         arrangement of electrical connectors / for main current circuit       Front connection         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       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	depth [in]	3.27 in
arrangement of electrical connectors / for main current circuit       Front connection         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       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	depth	83 mm
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       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar terminal connection / maximum       25 x 8 mm         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	Connections	
type of connectable conductor cross-sections / for flat-bar       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar       25 x 8 mm         type of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver	arrangement of electrical connectors / for main current circuit	Front connection
type of connectable conductor cross-sections / for flat-bar       13 x 1 mm         type of connectable conductor cross-sections / for flat-bar       25 x 8 mm         type of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       silver		nut keeper kit on both ends
terminal connection / maximum         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)         Auxiliary circuit		-
switch (N, 2, 4, 6) Auxiliary circuit		25 x 8 mm
	switch (N, 2, 4, 6)	silver
number of CO contacts / for auxiliary contacts 0	Auxiliary circuit	
	number of CO contacts / for auxiliary contacts	0

product extension / opti	onal / motor drive	Yes	3		
Environmental conditio	ns				
protection class IP / on	the front	IP4	0		
ambient temperature					
<ul> <li>during operation</li> </ul>	/ minimum	-25	°C		
<ul> <li>during operation</li> </ul>	/ maximum	70 °	C		
<ul> <li>during storage / r</li> </ul>	minimum	-40	°C		
<ul> <li>during storage / r</li> </ul>	maximum	80 °	C		
Certificates					
reference code / accord	ling to IEC 81346-2	Q			
General Product App	roval				
<u>Confirmation</u>				<u>Miscellaneous</u>	EHC
EMC	Declaration of Confo	rmity	Marine / Shipping	other	
Ø	CE	UK		<u>Confirmation</u>	<u>Miscellaneous</u>
RCM	EG-Konf.		ABS		

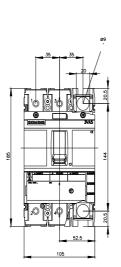
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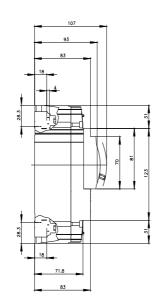
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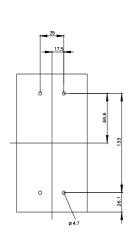
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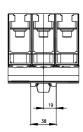
**Tender specifications** 

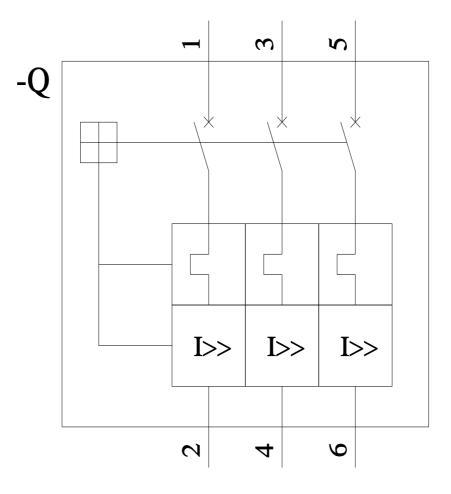
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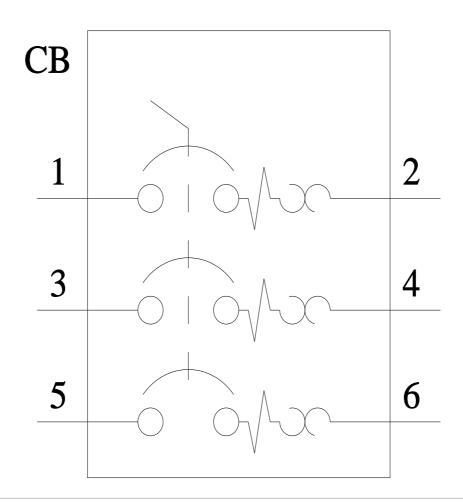












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