## SIEMENS

## Data sheet

## 3VA2040-4HM42-0AA0

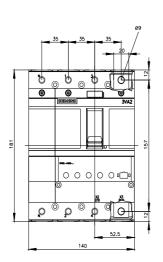


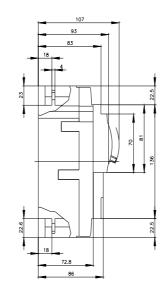
circuit breaker 3VA2 IEC Frame 100 breaking capacity class S Icu=36 kA @ 415 V 4-pole, line protection ETU330, LIG, In=40 A overload protection Ir=16 A...40 A short-circuit protection Ii=1.5...12 x In neutral conductor protection adjustable (OFF, 100%) ground-fault protection Ig=0.4...1 x In= tg=0.1/0.3s nut keeper kit

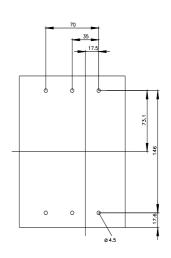
Model				
product brand name	SENTRON			
product designation	Molded case circuit breaker			
design of the product	Line protection			
design of the overcurrent release	ETU330			
protection function of the overcurrent release	LIG			
number of poles	4			
General technical data				
insulation voltage / rated value	800 V			
operating voltage / at AC / rated value	690 V			
power loss [W] / maximum	2.2 W			
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	0.73 W			
mechanical service life (operating cycles) / typical	25 000			
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	15 000			
electrical endurance (operating cycles) / at AC-1 / at 690 V	10 500			
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	No			
ground-fault monitoring version	Summation current formation L + N conductor			
product function				
<ul> <li>communication function</li> </ul>	No			
<ul> <li>other measurement function</li> </ul>	No			
Net Weight	3.2 kg			
Current				
operational current				
• at 40 °C	40 A			
• at 45 °C	40 A			
• at 50 °C	40 A			
• at 55 °C	40 A			
● at 60 °C	40 A			
● at 65 °C	40 A			
• at 70 °C	40 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	36 kA			

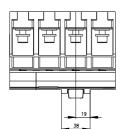
•••••••••••••••••••••••••••••••••••		25 1/4
operating short cloud current breaking capabily (ks)•••••••••••••••••••••••••••••••••••	• at 500 V	25 kA
• 200 V5 bA• • 44 16 V5 bA• • 44 16 V5 bA• • 81 40 V2 bA• • 81 60 V2 bA• 10 60 V <td></td> <td>2 KA</td>		2 KA
4:45 V56 KA•:1445 V35 KA•:1600 V25 KA•:1600 V25 KA•:1415 V121 KA•:1415 V756 KA•:1416 V756 KA•:1416 V756 KA•:1416 V56 KA•:1416 V56 KA•:1416 V56 KA•:1416 V56 KA•:1416 V56 KA•:1500 V52 KA•:1500 V52 KA•:1500 V52 KA•:1500 V56 KA<		55 kA
• • • • • • • • • • • • • • • • • • •		
• # 1501 Y25 kAshot-circuit carrent making capacity (form)2 kA• # 1240 Y121 kA• # 1240 Y756 kA• # 1440 Y756 kA• # 1440 Y526 kA• # 1650 Y32 kA• # 1660 Y30 kA• # 1660 Y8 kA• # 1660 Y6 kA• # 1660 Y0 kA• # 1660 Y <td< td=""><td></td><td></td></td<>		
• • 1890 Y2 kAshort-crout current making capachy (cm)121 kA• • • • 124 V126 kA• • • • • • • • • • • • • • • • • • •		
shot-coult urent making capachy (Ion)		
1240 v121 kA• 1445 v75.8 kA• • • • • • • • • • • • • • • • • • •		2 MA
• • • • • • • • • • • • • • • • • • •		121 kA
• • • • • • • • • • • • • • • • • • •		
125 bit25 bit126 bit30.4Adjustable parameters		
48 ki       Adjustable parameters       product fauture / for L-tripping / can be switched on/off     No       adjustable response value setting current (i/) / of the L-trip / with Et characteristic     I       • minimum     40 A       • maximum     0 A       • adjustable response value delay time (ir) / for L-tripping / with 12t characteristic     I       • minimum     0.5 %       • maximum     40 A       • adjustable response value setting current (ii) / for I-tripping / with edipatable current response value current (ii) / for I-tripping / with edipatable current response value current (iii) / for I-tripping / with edipatable current response value current (iii) / for I-tripping / with edipatable current response value current (iiii) / for I-tripping / with edipatable current response value current / for G-tripping / with edipatable current response value delay time (iii) / for G-tripping / with edipatable exponse value delay time (iii) / for G-tripping / with edipatable exponse value delay time (iii) / for G-tripping / with edipatable exponse value delay time (iii) / for G-tripping / with edipatable exponse value delay time (iii) / for G-tripping / with edipatable exponse value delay time (iii) / for G-tripping / with edipatable exponse value delay time (iii) / for M-tripping eminimum     0.1 %       • minimum     0.1 %     16 Å       • minimum     0.1 %		
Adjustable parameters         No           product feature / for L-tripping / can be switched on/off         No           adjustable response value setting current (Ir) / of the L-tip / with Izt characteristic         16 A           • minimum         0.5 s           • minimum         0.5 s           • maximum         0.0 A           • minimum         0.0 A           • full-scale value         40 A           adjustable current response value delay time (tg) / for C-tripping / with tot characteristic         0 A           • minimum         0.1 s           • minimum         0.1 s           • minimum         0.0 A           • minimum         0.0 A           • minimum         0.1 s           • minimum         0.1 s           • minimum         0.1 s           • minimum		
product feature / for L-tripping / can be switched on/off         No           adjustable response value setting current (h) / of the L-trip / with IZ characteristic         16 A           • maximum         40 A           adjustable response value delay time (h) / for L-tripping / with IZ e-triadenticits         5           • maximum         0.5 s           • maximum         60 A           • minimum         60 A           • minimum         60 A           • minimum         60 A           • full value         60 A           • full value         60 A           • full value         60 A           • minimum         61 A           • dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with dilustable response value delay time (tg) / for G-tripping / with		
adjustable response value setting current (l/) / of he L-tip / with // characleristic         16 A           - maximum         40 A           - maximum         0.5 s           - minimum         17 s           - minimum         60 A           - maximum         7 s           - adjustable response value delay time (tr) / for L-tirpping / with I2T characleristic         5 s           - minimum         60 A           - maximum         80 A           - maximum         80 A           - minimum         60 A           - full-scale value current (l/) / for L-tipping / with standard characleristic         16 A           - full-scale value         0.4 A           - minimum		No
IZ haracterisic         IA           minimum         IA           adjustable response value delay time (tr) / for L-tripping / with IA         Image: Im		NO
• eximum40 Åadjustable response value delay time (tr) / for 1-tripping / with inminum0.5• minimum17 aadjustable response value setting current (li) / for 1-tripping / with • maximum480 Åadjustable current response value current / for G-tripping / with • maximum480 Åadjustable current response value current / for G-tripping / with • full-scale value16 Åadjustable current response value delay time (tg) / for G-tripping / with tif d-inardensize0.1 %• full-scale value0.1 %• maximum0.1 %• maximum0.1 %• maximum40 Å• maximum51 in <t< td=""><td></td><td></td></t<>		
adjustable response value delay time (tr) / for L-tripping / with 12t chrancetristic minimum adjustable response value setting current (ii) / for I-tripping minimum adjustable response value setting current (iii) / for I-tripping / with standard characteristic initial value initial	• minimum	16 A
adjustable response value delay time (tr) / for L-tripping / with 12t chracteristic  i minimum i maximum i maximum i raximum i raximum i maximum i raximum	• maximum	40 A
• minimum0.5 sadjustable response value setting current (ii) / for I-tripping60 A• minimum60 A• maximum80 A• maximum80 A• maximum80 A• distable current response value current / for G-tripping / with16 A• fulti-scale value00 A• fulti-scale value00 A• fulti-scale value delay time (tg) / for G-tripping / with16 A• fulti-scale value0.1 s• minimum0.1 s• minimum40 A• minimum40 A• maximum40 A• maximum40 A• maximum40 A• minimum40 A• minimum40 A• maximum40 A• maximum40 A• maximum40 A• maximum40 A• maximum40 A• nonderologing rotectionyes• product function / grounding protectionyes• voltage triggerNo• voltage triggerNo• voltage triggerNo• voltage triggerNo• trip indicatorNo• trip indicatorS51 in• with [n]339 in• depth [n]339 in• depth [n]339 in• depth [n]Goth sites nut keeper kit• trip indicator ormain current circuitMoth sites nut keeper kit• yee of connection / for main current circuit13 x1 mm• yee of connection / for main current circuitS54 mm• product connection / for m	adjustable response value delay time (tr) / for L-tripping / with I2t	
adjustable response value setting current (ii) / for l-tripping       60 A         maximum       480 A         adjustable current response value current / for G-tripping / with standard characteristic       16 A         initial value       16 A         initial value       16 A         adjustable response value delay time (tg) / for G-tripping / with th characteristic       16 A         initial value       0.1 s         enaximum       0.3 s         adjustable response value delay time (tg) / for G-tripping / with th characteristic       0.4 s         initial value       0.4 S         enaximum       0.3 s         adjustable esting current (INV) / for N-tripping       adjustable OFF; 100%         product forongonent       adjustable OFF; 100%         evoltage release       No         voltage trigger       No         voltage trigger       No         height [in]       7.13 in         height [in]       5.51 in         width [in]       3.93 in         depth       38 m         Connections       Fornt terminal         grangement of electrical connectors / for main current circuit       on both sides nut keeper kit         type of electrical connectors / for main current circuit       on both sides nut keeper kit <td></td> <td>0.5 s</td>		0.5 s
<ul> <li>minimum</li> <li>60 A</li> <li>maximum</li> <li>480 A</li> <li>490 A</li>     &lt;</ul>	• maximum	17 s
<ul> <li>minimum</li> <li>60 A</li> <li>maximum</li> <li>480 A</li> <li>490 A</li>     &lt;</ul>	adjustable response value setting current (li) / for l-tripping	
adjustable current response value current / for G-tripping / with       16 A         • initial value       40 A         adjustable response value delay time (tg) / for G-tripping / with       40 A         adjustable response value delay time (tg) / for G-tripping / with       0.1 s         • maximum       0.3 s         adjustable ting current (InN) / for N-tripping       •         • minimum       40 A         • maximum       0.3 s         adjustable ting current (InN) / for N-tripping       •         • minimum       40 A         • maximum       40 A         design of the N-conductor protection       Yes         product Component       Yes         • undervoltage release       No         • voltage trigger       No         • tip indicator       No         height [in]       7.13 in         height [in]       5.51 in         width       140 mm         depth [in]       88 mm         Connections       To both sides nut keeper kit         type of connectable conductor cross-sections / for flat-bar       13 x 1 mm         terminal connection / for main current circuit       on both sides nut keeper kit         type of connectable conductor cross-sections / on the top of the swrtch (N, 1, 3, 5)	• minimum	60 A
stindard characteristic• initial value16 A• full-scale value40 Aadjustable response value delay time (tg) / for G-tripping / with t0 characteristic0.1 s• minimum0.1 s• minimum0.3 sadjustable setting current (inN) / for N-tripping • minimum40 A• maximum40 Adesign of the N-conductor protectionadjustable OFF; 100%product function / grounding protectionYesMachanical DesignNo• undervoltage releaseNo• voltage triggerNo• voltage triggerNo• height [in]7.13 inheight181 mmwidth140 mmdepth [in]3.39 inconnectionserement of electrical connectors / for main current circuitvolt of electrical connectors / for main current circuitFront terminaltype of connectable conductor cross-sections / for flat-bar terminal connection / maximum13 x 1 mmtype of connectable conductor cross-sections / on the top of the switch (N, 1, 3, 5)5 x 8 mmterminal connection / minimum5 x 8 mm	• maximum	480 A
• full-scale value         40 A           adjustable response value delay time (tg) / for G-tripping / with f0t characteristic         0.1 s           • maximum         0.3 s           adjustable setting current (inN) / for N-tripping         0.3 s           adjustable setting current (inN) / for N-tripping         0.4 A           • maximum         40 A           • maximum         40 A           • maximum         40 A           • maximum         40 A           maximum         40 A           motionum grotection         adjustable OFF; 100%           product function / grounding protection         Yes           Mechanical Design         Ves           • undervoltage release         No           • voltage trigger         No           • trip indicator         No           height [in]         5.51 in           ideth[in]         5.61 in           ideth[in]         3.39 in           depth         88 mm           Connections         Front terminal           type of connectable conductor cross-sections / for flat-bar terminal connection / for main current circuit         Front terminal           type of connectable conductor cross-sections / for flat-bar 13 x 1 mm		
adjustable response value delay time (tg) / for G-tripping / with l0t characteristic       0.1 s         • maximum       0.3 s         adjustable setting current (InN) / for N-tripping       40 A         • maximum       40 A         • maximum       40 A         • enaximum       40 A         • enaximum       40 A         • enaximum       40 A         • maximum       40 A         • design of the N-conductor protection       adjustable OFF; 100%         product function / grounding protection       Yes         Mechanical Design	initial value	16 A
indicatacteristic     0.1 s       • maximum     0.3 s       adjustable setting current (InN) / for N-tripping     0.3 s       • maximum     40 A       • design of the N-conductor protection     adjustable OFF; 100%       product function / grounding protection     Yes       Mechanical Design     Ves       product component     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [in]     7.13 in       height [in]     5.51 in       width [in]     3.551 in       width     140 mm       depth [in]     6.66 mm       Connections     Font terminal       type of electrical connectors / for main current circuit     Font terminal       type of connection / for main current circuit     on both sides nut keeper kit       type of connection / for main current circuit     13 x 1 mm       terminal connection / for main current circuit     fon both sides nut keeper kit       type of connection / for main current circuit     fon both sides nut keeper kit       type of connection / maximum     25 x 8 mm       terminal connection / of	full-scale value	40 A
• maximum0.3 sadjustable setting current (InN) / for N-tripping• minimum40 A• maximum40 Adesign of the N-conductor protectionadjustable OFF; 100%product function / grounding protectionYesMechanical DesignYesproduct componentNo• undervoltage releaseNo• voltage triggerNo• height [in]7.13 inheight [in]5.51 inwidth [in]3.93 indesplin of electrical connectors / for main current circuitFront terminalop of electrical connectors / for main current circuitFront terminaltype of connectable conductor cross-sections / for flat-bar terminal connection / minimum13 x 1 mmtype of connectable conductor cross-sections / for flat-bar terminal connector / minimum25 x 8 mmterminal connector / for the connections / on the top of the switch (N, 1, 3, 5)tindesign of the surface / of the connections / on the top of the switch (N, 2, 4, 6)tin		
adjustable setting current (InN) / for N-tripping       40 A         • maximum       40 A         • maximum       40 A         design of the N-conductor protection       adjustable OFF; 100%         product function / grounding protection       Yes         Machanical Design       Ves         product component       • undervoltage release         • voltage trigger       No         • trip indicator       No         height [in]       7.13 in         height [in]       5.51 in         width [in]       3.39 in         depth [in]       6.66 mm         Connections       Front terminal         arrangement of electrical connectors / for main current circuit       Front terminal         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         terminal connection / minimum       25 x 8 mm         design of the surface / of the connections / on the bot of the switch (N, 2, 4, 6)       tin	• minimum	0.1 s
• minimum         40 A           • maximum         40 A           design of the N-conductor protection         adjustable OFF; 100%           product function / grounding protection         Yes           Mechanical Design            product component         •           • undervoltage release         No           • voltage trigger         No           • trip indicator         No           height [in]         7.13 in           height [in]         5.51 in           width [in]         5.51 in           width [in]         3.39 in           depth         86 mm           Connections         Front terminal           type of electrical connectors / for main current circuit         on both sides nut keeper kit           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           design of the surface / of the connections / on the bottom of the swrthe (N, 2, 4, 6)         tin	• maximum	0.3 s
• maximum         40 Å           design of the N-conductor protection         adjustable OFF; 100%           product function / grounding protection         Yes           Machanical Design         -           product component         No           • undervoltage release         No           • trip indicator         No           • trip indicator         No           height [in]         7.13 in           height [in]         5.51 in           width [in]         3.39 in           depth         66 mm           Connections         -           arrangement of electrical connectors / for main current circuit         Font terminal           type of connectable conductor cross-sections / for flat-bar         13 × 1 mm           terminal connection / main summer         25 × 8 mm           design of the surface / of the connections / on the top of the swrthc (N, 1, 3, 6)         tin	adjustable setting current (InN) / for N-tripping	
design of the N-conductor protection       adjustable OFF; 100%         product function / grounding protection       Yes         Mechanical Design	• minimum	40 A
product function / grounding protection         Yes           Mechanical Design <ul> <li>product component</li> <li>undervoltage release</li> <li>voltage trigger</li> <li>ko</li> <li>voltage trigger</li> <li>No</li> </ul> height [in]         7.13 in           height [in]         7.13 in           width [in]         5.51 in           width [in]         3.39 in           depth [in]         3.39 in           depth [in]         6 mm           Connections         Front terminal           arrangement of electrical connectors / for main current circuit         Front terminal           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 swrtach (N, 2, 4, 6)         tin	• maximum	40 A
Mechanical Design           product component           • undervoltage release           • voltage trigger           • trip indicator           No           height [in]           7.13 in           height [in]           8.10 mm           width [in]           4.51 in           width           4.64 mm           depth [in]           3.39 in           4.64 mm           depth           for onnections           arrangement of electrical connectors / for main current circuit           for onnectable conductor cross-sections / for flat-bar           terminal connection / mainmum           type of connectable conductor cross-sections / for flat-bar           terminal connection / mainmum           type of connectable conductor cross-sections / for flat-bar           terminal connection / mainmum           type of connectable conductor cross-sections / for flat-bar           terminal connection / mainmum           type of connectable conductor cross-sections / for flat-bar           terminal connection / mainmum           type of connectable conductor cross-sections / on the top of the           witch (N, 1, 3, 5)           design of the surface / of the connections / on the bottom o	design of the N-conductor protection	adjustable OFF; 100%
product component     No       • undervoltage release     No       • voltage trigger     No       • trip indicator     No       height [in]     7.13 in       height     181 mm       width [in]     5.51 in       width     140 mm       depth [in]     3.39 in       depth     86 mm       Connections       Front terminal       type of electrical connectors / for main current circuit       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 top of the switch (N, 1, 3, 5)     tin	product function / grounding protection	Yes
• undervoltage releaseNo• voltage triggerNo• trip indicatorNoheight [in]7.13 inheight [in]7.13 inheight [in]5.51 inwidth [in]5.51 inwidth [in]3.39 indepth [in]3.39 indepth [in]86 mmConnectionsVertication of the surface of the connections / for flat-bar terminal connection / maintumtype of connectable conductor cross-sections / for flat-bar terminal connection / maintum13 x 1 mmdesign of the surface / of the connections / on the top of the switch (N, 1, 3, 5)25 x 8 mmdesign of the surface / of the connections / on the top of the switch (N, 2, 4, 6)tin	Mechanical Design	
• voltage triggerNo• trip indicatorNoheight [in]7.13 inheight [in]7.13 inwidth [in]5.51 inwidth [in]5.51 inwidth [in]3.39 indepth [in]3.39 indepth [in]86 mmConnectionsFront terminaltype of electrical connectors / for main current circuitFront terminaltype 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, 1, 3, 5)tin	product component	
• trip indicatorNoheight [in]7.13 inheight [in]181 mmwidth [in]5.51 inwidth [in]3.39 indepth [in]3.39 indepth [in]86 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connection / for main current circuitFront terminaltype of connectable conductor cross-sections / for flat-bar terminal connection / mainmum13 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, 1, 3, 5)tin	<ul> <li>undervoltage release</li> </ul>	No
height7.13 inheight181 mmwidth [in]5.51 inwidth140 mmdepth [in]3.39 indepth86 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connectors / for main current circuitFront terminaltype of electrical connection / for main current circuiton both sides nut keeper kittype 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 top of the switch (N, 1, 3, 5)tin	voltage trigger	No
height181 mmwidth [in]5.51 inwidth140 mmdepth [in]3.39 indepth86 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connection / for main current circuitFront terminaltype of electrical connection / for main current circuit13 x 1 mmtype of connectable conductor cross-sections / for flat-bar terminal connection / minimum25 x 8 mmtype of the surface / of the connections / on the top of the switch (N, 1, 3, 5)tin	trip indicator	No
width [in]5.51 inwidth140 mmdepth [in]3.39 indepth86 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connectors / for main current circuitFront terminaltype 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 top of the switch (N, 1, 3, 5)tin	height [in]	7.13 in
width140 mmdepth [in]3.39 indepth86 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connection / for main current circuitFront terminaltype 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 top of the switch (N, 1, 3, 5)tin	height	181 mm
depth [in]3.39 indepth86 mmConnectionsarrangement of electrical connectors / for main current circuittype of electrical connection / for main current circuitFront terminaltype 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 top of the switch (N, 1, 3, 5)tin	width [in]	5.51 in
depth       86 mm         Connections         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       on both sides nut keeper kit         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 / minimum       25 x 8 mm         design of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       tin         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       tin	width	140 mm
Connections         arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       on both sides nut keeper kit         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 top of the switch (N, 1, 3, 5)       tin         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       tin	depth [in]	3.39 in
arrangement of electrical connectors / for main current circuit       Front terminal         type of electrical connection / for main current circuit       on both sides nut keeper kit         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 / minimum       25 x 8 mm         type of the surface / of the connections / on the top of the switch (N, 1, 3, 5)       tin	depth	86 mm
type of electrical connection / for main current circuiton both sides nut keeper kittype 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 top of the switch (N, 1, 3, 5)tindesign of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)tin	Connections	
type 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 top of the switch (N, 1, 3, 5)tindesign of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)tin	arrangement of electrical connectors / for main current circuit	Front terminal
terminal connection / minimum       25 x 8 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 top of the switch (N, 1, 3, 5)       tin         design of the surface / of the connections / on the bottom of the switch (N, 2, 4, 6)       tin	type of electrical connection / for main current circuit	on both sides nut keeper kit
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)		13 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)	terminal connection / maximum	
switch (N, 2, 4, 6)	switch (N, 1, 3, 5)	
Auxiliary circuit	switch (N, 2, 4, 6)	tin
	Auxiliary circuit	

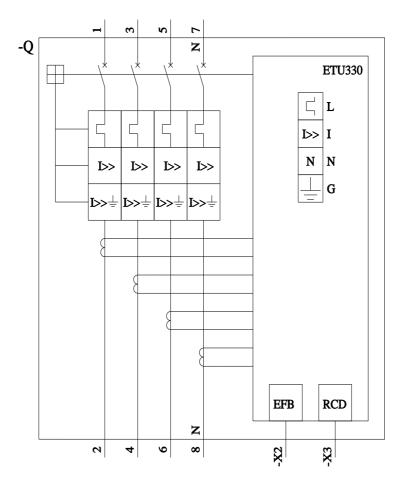
	s / for auxiliary contacts	0					
Accessories		_					
product extension / opt		Yes	3				
Environmental condition		_					
protection class IP / on	the front	IP4	0				
ambient temperature							
<ul> <li>during operation</li> </ul>		-25					
<ul> <li>during operation</li> </ul>		70					
<ul> <li>during storage /</li> </ul>		-40					
<ul> <li>during storage /</li> </ul>		80 '	°C				
Environmental footprin	it						
Siemens Eco Profile (S	SEP)	Sie	mens EcoTech				
reference code / accor	ding to IEC 81346-2	Q					
Approvals / Certificates	3						
General Product App	oroval						
CE EG-Konf.	UK CA	<u>Confirmation</u>		<u>Miscellaneous</u>	EHC		
EMV	Test Certificates			Marine / Shipping	other		
RCM	<u>Type Test Certific-</u> ates/Test Report	<u>Miscellaneous</u>	<u>Special Test Certific-</u> <u>ate</u>	<u>CCS (China Classifica-</u> tion Society)	<u>Confirmation</u>		
other		Dangerous Good	Environment				
<u>Miscellaneous</u>	<u>Miscellaneous</u>	Transport Information	Siemens EcoTech	Environmental Con- firmations	EPD		
Environment							
Environmental Con- firmations							
E () . (							
Further information	okoging						
Information- and Dow http://www.siemens.co Industry Mall (Online	siemens.com/cs/ww/en/v/ nloadcenter (Catalogs, I m/lowvoltage/catalogs ordering system)	Brochures,)					
	https://mail.industry.siemens.com/mail/en/en/Catalog/product?mlfb=3VA2040-4HM42-0AA0 Service&Support (Manuals, Certificates, Characteristics, FAQs,)						
https://support.industry Image database (prod	siemens.com/cs/ww/en/p duct images, 2D dimensi siemens.com/bilddb/cax_u	<u>s/3VA2040-4HM42-0AA</u> on drawings, 3D mode	ls, device circuit diagram	ıs,)			
Tender specifications							











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