# SIEMENS

#### Data sheet

### 3VA6440-6JP32-0AA0



circuit breaker 3VA6 UL frame 600 breaking capacity class H 65kA @ 480 V 3-pole, line protection ETU550, LSI, In=400A overload protection Ir=160A ...400A short-circuit protection Isd=0.6..10x In, Ii=1.5..12x In N conductor protection opt. w. ext. CT; up to 160% nut keeper kit on both sides

Model	
product brand name	SENTRON
product designation	Molded-case circuit breaker
product designation / according to UL file	HLAE
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 overcurrent release	ETU550
protection function of the overcurrent release	LSI
number of poles	3
General technical data	
insulation voltage / rated value	800 V
operating voltage / at AC / rated value	690 V
power loss [W] / maximum	70 W
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	23.33 W
mechanical service life (operating cycles) / typical	20 000
electrical endurance (operating cycles) / at AC-1 / at 380/415 V	4 000
electrical endurance (operating cycles) / at AC-1 / at 690 V	3 500
electrical endurance (operating cycles) / at 480 V	4 000
electrical endurance (operating cycles) / at 600 V	3 500
product feature / for neutral conductors / upgradable/retrofittable / short-circuit and overload proof	Yes
ground-fault monitoring version	without
product function	
<ul> <li>communication function</li> </ul>	Yes
<ul> <li>other measurement function</li> </ul>	No
Net Weight	5.596 kg
Current	
marking / according to UL 489 / 100%-rated breaker	No
operational current	
● at 40 °C	400 A
● at 45 °C	400 A
● at 50 °C	400 A
● at 55 °C	400 A
• at 60 °C	400 A
● at 65 °C	400 A
• at 70 °C	400 A
Switching capacity according to IEC 60947	
switching capacity class of the circuit breaker	Н
maximum short-circuit current breaking capacity (Icu)	

••••••••••••••••••••••••••••••••••••		
• • # 100 Y0 kAoperating short-cloud current breaking capacity (ics)• • • • • · · · · · · · · · · · · · · ·	• at 240 V	110 kA
operating short-focul current heaking capacity (ics)         10 kÅ           • • • • • • • • • • • • • • • • • • •		
		6 kA
4:415 V5:1A5:0A (12:00 V)5:A5:0A (12:00 V)2:2:A•:12:3D V107 VA•:12:3D V107 VA•:12:3D V107 VA•:12:3D V107 VA•:12:3D V100 VA•:13:3D V100 VA•:13:3D V100 VA•:13:3D VA100 VA•:13:3D VA100 VA•:10:3D VA100 VA<	operating short-circuit current breaking capacity (lcs)	
• # 1800 Y6 kÅshort-strout current making capacity (tern)242 kÅ• • # 1200 Y9 kÅ• • # 1600 Y9 kÅSinterfing capacity according to UL 480100 kÅ• • # 1240 Y05 kÅ• • # 1400 Y05 s• • # 1400 Y04 0• • # 1400 Y05 s• • # 1400 Y04 0• # 1400 Y05 s• # 1400	• at 240 V	110 kA
shot-fourt aurent making capacity (iom)         242 kV           • et 240 V         187 kA           • et 460 V         9 kA           Sitching capacity according to UL 489         00 kA           • et 240 V         100 kA           • et 340 K         100 kA           • et 340 K         100 kA           • et 340 K         200 A	● at 415 V	85 kA
• 1240 V     242 kA       • • 1145 V     187 kA       • • • 1145 V     187 kA       • • • 1145 V     187 kA       • • • • • • • • • • • • • • • • • • •	• at 690 V	6 kA
41 41 5 V19 7 VASwitching espacity according to UL 439Current breaking capacity- at 240 V- at 240 V- at 260 V2 2 AAdjustable parametersSwitching espacity according to UL 439- at 260 V2 2 AAdjustable parametersSwitching espacity according to UL 439- at 260 V2 2 AAdjustable parameters- at 260 V- at 260 V <t< td=""><td>short-circuit current making capacity (Icm)</td><td></td></t<>	short-circuit current making capacity (Icm)	
• 1890 V9 kASwitching capacity excerding to UL 409• at 240 V100 kA• at 240 V05 kA• at 800 V22 kAAdjustable response value setting current (h) / of the L thip / with tor between the setting current (h) / of the L thip / with tor between the setting current (h) / of the L thip / with tor between the setting current (k) / of the L thip / with tor between the setting current (k) / of the L thip / with tor between the setting current (k) / of the L thip / with tor between the setting current (k) / of the L thip / with tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / of S tor between the setting current (k) / for S tor between the setting current (k) / for S tor between the setting current (k) / for S tor between the setting current (k) / for S tor between the setting current (k) / for S tor between the setting current (k) / for N tor between the setting current (k) / for N tor between the setting current (k) / for N tor between the setting current (k) / for N tor between the setting current (k) / for N tor between the setting current / of instantaneous the setting current (k) / for N tor between the setting current / of instantaneous th	• at 240 V	242 kA
Switching capacity according to UL 489         current threaking capacity           - all 240 V         65 KA           - all 240 V         65 KA           - all 240 V         65 KA           - all 240 V         25 KA           Adjustable response value setting current (Ir) / of the L trip / with 22 banactionsite         180 A           - maximum         400 A           adjustable response value delay time (Ir) / for L-trip/ with 122 characteristic         25 s           - maximum         25 s           adjustable response value setting current (Isd) / of S-trip/ with 100 characteristic         25 s           - maximum         240 A           - maximum         200 A           - maximum         0.05 s           - maximum         0.05 s           - maximum         0.05 s           - maximum         0.2 A           - maximum         0.2 A           - maximum         0.4 A           - maximum	• at 415 V	187 kA
current breaking capacity         00 kA           • at 240 V         65 kA           • at 240 V         65 kA           • at 260 V         22 kA           Adjustable paperase values setting current (lr) / of the Lrip / with (2t characteristic         180 A           • maximum         180 A           • maximum         05 S           • maximum         25 S           • maximum         240 A           • minimum         0.5 S           • maximum         240 A           • minimum         0.5 S           • minimum         0.5 S           • minimum         0.5 S           • minimum         0.05 S	• at 690 V	9 kA
al 240 V100 kAat 450 V65 kAat 450 V22 kAAdjustable response value setting current (Ir) / of the L-trip / with 12t characteristic160 A- maximum160 A- maximum0.5 sadjustable response value setting current (Ist) / of S-trip / with 12t characteristic160 A- minimum0.5 s- minimum0.5 s- minimum240 A- minimum25 s- minimum26 s- minimum0.5 s- maximum0.5 s- minimum0.5 s- minimum0.6 s <td>Switching capacity according to UL 489</td> <td></td>	Switching capacity according to UL 489	
• al 480 V     85 kA       at 600 V     22 kA       Adjustable presence value setting current (tr) / of the L-trip / with 22 characteristic     800 A       • minimum     800 A       • adjustable response value delay time (tr) / or L-tripping / with 121 characteristic     800 A       • minimum     0.5 s       • minimum     240 A       • minimum     0.05 s       • minimum     0.5 s       • dijustable response value delay time (tsd) / for S-tripping / with 22 characteristic       • minimum     0.5 s       • dijustable delay time / of S-trip / with 12t characteristic       • minimum     0.6 s       • dijustable delay time / of S-trip / with 12t characteristic       • minimum     60.0 A       • minimum     60.0 A       • minimum     60.0 A       • minimum     60.0	current breaking capacity	
• at 600 V       22 kA         Adjustable response value setting current (IV) / of the L-trip / with f2t characteristic       160 A         • maximum       400 A         adjustable response value delay time (tr) / for L-tripping / with [2t] characteristic       0.5 s         • minimum       0.5 s         • maximum       26 s         • adjustable response value setting current (lsd) / of S-trip / with 10 characteristic       26 s         • minimum       260 A         • minimum       260 A         • maximum       26 s         • adjustable response value delay time (tsd) / of S-trip / with 10 characteristic       0.00 A         • minimum       0.00 A         • minimum       0.05 s         • minimum       0.04 A         • minimum       0.05 s         • minimum       0.05 s         • minimum       0.04 A         • minim	• at 240 V	100 kA
Adjustable parameters         adjustable response value setting ourrent (kr) / of the L-trip / with         2 characteristic         • minimum         • maximum         adjustable response value delay time (tr) / for L-tripping / with 12t         • maximum         • minimum         • 0.5 s         • dijustable sergurent (nN) / for N-tripping / with         • finimum       0.05 s         • minimum       0.04 s         • minimum       0.05 s         • minimum       0.04 s         • minimum       0.05 s         • dijustable data time / S-trip / with 12c characteristic       0.05 s	• at 480 V	65 kA
adjustable response value setting current (ir) / of the L-trip / with 180 A maximum maximum 180 A 400 A adjustable response value delay time (tr) / for L-tripping / with 12t characteristic minimum 180 A 400 A 3djustable response value delay time (tr) / for L-tripping / with 180 A 400 A 3djustable response value delay time (ts) / of S-trip / with 10 characteristic minimum 400 A 3djustable response value delay time (tsd) / for S-tripping / with 10 characteristic minimum 400 A 3djustable response value delay time (tsd) / for S-tripping / with 10 characteristic minimum 400 A 3djustable response value delay time (tsd) / for S-tripping / with 12 characteristic minimum 0.05 s 3djustable setting current (InN) / for N-tripping minimum 1.6 A 3djustable delay time / of S-trip / with 12t characteristic 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 0.5 s 3djustable delay ting of 15 -trip / with 12t characteristic 0.5 s 3djustable delay time / of S-trip / with 12t characteristic 10 A 3djustable delay time / of S-trip / with 12t characteristic 10 A 3djustable delay time / of S-trip / with 4800 A 3djustable delay time / of S	● at 600 V	22 kA
IZ characteristic     160 A       • maximum     400 A       edjustable response value delay time (tr) / for L-tripping / with IZI     -       • minimum     0.5 s       • adjustable response value setting current (lsd) / of S-trip / with IZI     -       • minimum     25 s       adjustable response value setting current (lsd) / of S-tripping / with IZI     -       • minimum     240 A       • minimum     4000 A       • minimum     0.05 s       • minimum     0.2 A       • minimum     0.2 A       • minimum     0.2 A       • minimum     0.4 A       • maximum     4000 A       • maximum     400 A       • maximum     400 A       • minimum     0.2 A       • minimum     60 A       • maximum     400 A       • maximum     400 A       • minimum     60 A       • minimum </td <td>Adjustable parameters</td> <td></td>	Adjustable parameters	
• maximum400 Aadjustable response value delay time (tr) / for L-tripping / with Id theracteristic0.5 s• minimum0.5 sadjustable response value setting current (lsd) / of S-trip / with ID characteristic240 A• minimum4000 A• minimum0.5 s• minimum600 A• minimum600 A <td></td> <td></td>		
adjustable response value delay time (tr) / for L-tripping / with 12t         characteristic         • minimum         adjustable response value setting current (isd) / of S-trip / with         01 characteristic         • minimum         • minimum         • maximum         4000 A         adjustable response value delay time (tsd) / for S-tripping / with         01 characteristic         • minimum         0.05 s         adjustable response value delay time (tsd) / for S-tripping / with         01 characteristic         • minimum         0.05 s         adjustable response value delay time (tsd) / for S-tripping / with         02 for a digustable response value delay time (tsd) / for S-tripping / with         03 for adjustable corpone value delay time (tsd) / for S-tripping / with         04 for arcteristic         • minimum       0.05 s         adjustable current (iNN / for N-tripping         • minimum       0.2 A         • minimum       0.2 A         • minimum       0.05 s         adjustable current response value current / of instantaneous short-circuit up ontit         • minimum       600 A         • minimum       600 A         • design of the N-conductor protection       adjust	• minimum	160 A
chiracteristic0.5 s• maximum25 sadjustable response value setting current (isd) / of S-trip / with 10f characteristic240 A• maximum4000 A• maximum4000 A• dijustable response value delay time (tsd) / for S-tripping / with 10f characteristic0.05 s• minimum0.05 s• maximum0.05 s• minimum0.05 s• minimum0.05 s• dijustable response value delay time (tsd) / for S-tripping / with 12 characteristic• minimum0.05 s• minimum0.05 s• dijustable current (hN) / for N-tripping • minimum0.05 s• dijustable current response value current / of instantaneous short-circuit frip unit600 A• maximum4 800 A• maximum4 800 A• maximum4 800 A• maximum4 800 A• molinum600 A• molinum600 A• molinum600 A• minimum9 76 in• molinum9 76 in• undervoltage releaseNo• voltage tripgerNo• voltage tripgerNo• undervoltage releaseNo• voltage tripger76 in• height [n]543 in• with [n]430 in• depth110 mm <t< td=""><td>• maximum</td><td>400 A</td></t<>	• maximum	400 A
• maximum         25 s           adjustable response value setting current (lsd) / of S-trip / with 10 thrascteristic         400 A           • maximum         4000 A           • dijustable response value delay time (tsd) / for S-tripping / with 10 thrascteristic         0.05 s           • minimum         0.05 s           • maximum         0.05 s           • minimum         0.05 s           • dijustable response value delay time (tsd) / for S-tripping / with 12 thrascteristic         0.05 s           • minimum         0.05 s           • minimum         0.05 s           • dijustable response value delay time (tsd) / for S-tripping / with 12 thrascteristic         0.5 s           • minimum         0.05 s           • dijustable current (hN) / for N-tripping         0.5 s           • maximum         1.6 A           adjustable current response value current / of instantaneous short-circuit frip unit         600 A           • maximum         4800 A           • maximum         4800 A           • maximum         4800 A           • dijustable OFF; 20% to 160%           product function / grounding protection         No           • undervoltage release         No           • undervoltage release         No             • votage trigger		
adjustable response value setting current (isd) / of S-trip / with I/O characteristic       240 A         • minimum       4000 A         adjustable response value delay time (isd) / for S-tripping / with I/O characteristic       0.05 s         • maximum       0.05 s         • maximum       0.05 s         • maximum       0.05 s         • adjustable response value delay time (isd) / for S-tripping / with I/O characteristic       0.05 s         • minimum       0.05 s         adjustable setting current (inN) / for N-tripping       0.2 A         • maximum       16 A         adjustable delay time / of S-trip / with 12t characteristic       0.5 s         adjustable current (inN) / for N-tripping       0.2 A         • maximum       16 A         adjustable delay time / of S-trip / with 12t characteristic       0.5 s         adjustable current response value current / of instantaneous short-circuit fug outin       4000 A         • minimum       4000 A         • maximum       4000 A         • outervoltage release       No         • voltage rigger <td>• minimum</td> <td>0.5 s</td>	• minimum	0.5 s
I0i characteristic       240 A         • maximum       4000 A         adjustable response value delay time (tsd) / for S-tripping / with I0i characteristic       0.05 s         • maximum       0.05 s         • distable response value delay time (tsd) / for S-tripping / with I2i characteristic       0.05 s         • minimum       0.05 s         • maximum       1.6 A         • adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         adjustable delay time / of S-trip / with 12i characteristic       0.5 s         remainimum       600 A       4000 A         etaig of the N-conductor protection       No<	• maximum	25 s
• maximum         4 000 Å           adjustable response value delay time (tsd) / for S-tripping / with 0 characteristic         0.05 s           • maximum         0.5 s           adjustable response value delay time (tsd) / for S-tripping / with 12 characteristic         0.5 s           • minimum         0.05 s           adjustable response value delay time (tsd) / for S-tripping / with 12 characteristic         0.5 s           • minimum         0.2 A           • minimum         0.2 A           • maximum         1.6 A           adjustable delay time / of S-trip / with 12 characteristic         0.5 s           • minimum         600 A           • maximum         4800 A           design of the N-conductor protection         600 A           • maximum         4 800 A           design of the N-conductor protection         No           product function / grounding protection         No           • undervoltage release         No           • voltage trigger         No           • width [in]         9.76 in           height [in]         4.33 in           depth         10 mm           connections		
adjustable response value delay time (tsd) / for S-tripping / with 10t characteristic       0.05 s         • maximum       0.05 s         adjustable response value delay time (tsd) / for S-tripping / with 12t characteristic       0.5 s         • minimum       0.05 s         adjustable response value delay time (tsd) / for S-tripping / with 12t characteristic       0.5 s         • minimum       0.05 s         adjustable certeristic       0.5 s         adjustable current response value current / for N-tripping / with 12t characteristic       0.5 s         adjustable current response value current / of instantaneous short-circuit trip unit       600 A         • maximum       4 800 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design       No         product component       No         • undervoltage release       No         • voltage trigger       No         height [in]       9.76 in         height       138 mm         depth       110 mm         Connections       Gonnection         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connectors / for final current circuit       Front co	• minimum	240 A
IOI characteristic       0.05 s         • maximum       0.5 s         adjustable response value delay time (tsd) / for S-tripping / with IZI characteristic       0.05 s         • ininimum       0.05 s         adjustable setting current (INN) / for N-tripping       0.2 A         • ininimum       0.2 A         • maximum       1.6 A         adjustable delay time / of S-trip / with IZI characteristic       0.5 s         adjustable delay time / of S-trip / with IZI characteristic       0.5 s         adjustable current response value current / of instantaneous short-circuit trip unit       600 A         • ininimum       600 A         • maximum       4 800 A         • maximum       4 800 A         • maximum       600 A         • ininimum       90 A         • other protection       No         indicator       No         • v	• maximum	4 000 A
• maximum         0.5 s           adjustable response value delay time (tsd) / for S-tripping / with [2t characteristic         0.05 s           adjustable setting current (InN) / for N-tripping         0.2 A           • maximum         0.6 A           • maximum         1.6 A           adjustable delay time / of S-trip / with 12t characteristic         0.5 s           adjustable current response value current / of instantaneous short-circuit tip unit         600 A           • minimum         600 A           • maximum         4 800 A           design of the N-conductor protection         adjustable OFF; 20% to 160%           product function / grounding protection         No           Mechanical Design		
adjustable response value delay time (tsd) / for S-tripping / with I2t characteristic       0.05 s         adjustable setting current (InN) / for N-tripping       0.2 A         • maximum       0.2 A         adjustable setting current (InN) / for N-tripping       0.2 A         adjustable delay time / of S-trip / with I2t characteristic       0.5 s         adjustable current response value current / of instantaneous short-circuit trip unit       600 A         • maximum       4 800 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design          product component          • inp indicator       No         • trip indicator       No         height [in]       9.76 in         height [in]       248 mm         width [in]       5.43 in         width [in]       4.33 in         depth       110 mm         Connections       110 mm         arrangement of electrical connectors / for main current circuit       Front connection         type of connectable conductor cross-sections / for flat-bar       20 x 1 mm	• minimum	0.05 s
121 characteristic       0.05 s         adjustable setting current (InN) / for N-tripping       0.2 A         • maximum       0.2 A         adjustable delay time / of S-trip / with 12t characteristic       0.5 s         adjustable current response value current / of instantaneous short-circuit tip unit       0.00 A         • maximum       600 A         • maximum       4800 A         design of the N-conductor protection       adjustable OFF; 20% to 180%         product function / grounding protection       No         Mechanical Design       No         product function / grounding protection       No         height [in]       9.76 in         height [in]       5.43 in         width       138 mm         depth       100 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connectors / for flat-bar       20 x 1 mm	• maximum	0.5 s
adjustable setting current (InN) / for N-tripping       0.2 A         • maximum       1.6 A         adjustable delay time / of S-trip / with 12t characteristic       0.5 s         adjustable current response value current / of instantaneous       short-circuit trip unit         • minimum       600 A         • maximum       4 800 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design       Product component         • undervoltage release       No         • voltage trigger       No         height [in]       9.76 in         height [in]       4.33 in         width       138 mm         depth [in]       4.33 in         width       138 mm         depth [in]       4.33 in         width       10 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connectors / for flat-bar       20 x 1 mm		
<ul> <li>minimum</li> <li>0.2 A</li> <li>maximum</li> <li>1.6 A</li> <li>adjustable delay time / of S-trip / with 12t characteristic</li> <li>0.5 s</li> <li>adjustable current response value current / of instantaneous short-circuit trip unit</li> <li>minimum</li> <li>600 A</li> <li>maximum</li> <li>4 800 A</li> <li>design of the N-conductor protection</li> <li>adjustable OFF; 20% to 160%</li> <li>product function / grounding protection</li> <li>No</li> <li>Mechanical Design</li> <li>product component</li> <li>undervoltage release</li> <li>voltage trigger</li> <li>No</li> <li>height [in]</li> <li>9.76 in</li> <li>height [in]</li> <li>5.43 in</li> <li>width</li> <li>138 mm</li> <li>depth</li> <li>110 mm</li> <li>Connections</li> <li>arrangement of electrical connectors / for main current circuit</li> <li>Toron connection</li> <li>ype of connectable connectors / for main current circuit</li> <li>Toron connection</li> <li>20 x 1 mm</li> </ul>	minimum	0.05 s
• maximum       1.6 A         adjustable delay time / of S-trip / with I2t characteristic       0.5 s         adjustable current response value current / of instantaneous short-circuit trip unit       600 A         • minimum       600 A         • maximum       4 800 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design       Image: Component         • undervoltage release       No         • trip indicator       No         height [in]       9.76 in         height [in]       5.43 in         width [in]       4.33 in         depth       110 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connectors / for flat-bar       20 x 1 mm	adjustable setting current (InN) / for N-tripping	
adjustable delay time / of S-trip / with l2t characteristic       0.5 s         adjustable current response value current / of instantaneous shot-circuit trip unit       600 A         • minimum       600 A         • maximum       4 800 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design       No         product component       • undervoltage release         • voltage trigger       No         • trip indicator       No         height [in]       9.76 in         height [in]       5.43 in         width [in]       5.43 in         depth [in]       4.33 in         depth [in]       4.33 in         depth       110 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       ruk keeper kit on both ends         type of electrical connectors / for flat-bar       20 x 1 mm	• minimum	0.2 A
adjustable current response value current / of instantaneous         short-circuit trip unit         • minimum         600 A         • maximum         4 800 A         design of the N-conductor protection         product function / grounding protection         No         Mechanical Design         product component         • undervoltage release         No         • trip indicator         No         height [in]         9.76 in         height         width         138 mm         depth         110 mm         Connections         arrangement of electrical connectors / for main current circuit         type of electrical connectors / for flat-bar         type of electrical connectors / for flat-bar         type of electrical connectors / for flat-bar         terminal connection / minimum	maximum	1.6 A
short-circuit trip unit       600 A         • maximum       4 800 A         design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design       No         product component       • undervoltage release         • voltage trigger       No         • trip indicator       No         height [in]       9.76 in         height [in]       5.43 in         width [in]       4.33 in         depth [in]       4.33 in         depth       110 mm         Connections       Front connection         arrangement of electrical connectors / for main current circuit       rut keeper kit on both ends         type of electrical connection / for main current circuit       20 x 1 mm	adjustable delay time / of S-trip / with I2t characteristic	0.5 s
• maximum4 800 Ådesign of the N-conductor protectionadjustable OFF; 20% to 160%product function / grounding protectionNoMechanical DesignNo• undervoltage releaseNo• voltage triggerNo• trip indicatorNoheight [in]9.76 inheight [in]5.43 inwidth [in]5.43 indepth [in]4.33 indepth [in]110 mmconnectionsarrangement of electrical connectors / for main current circuittype of electrical connectors / for flat-bar terminal connection / minimumFront connectiontype of connectable conductor cross-sections / for flat-bar terminal connection / minimum20 x 1 mm		
design of the N-conductor protection       adjustable OFF; 20% to 160%         product function / grounding protection       No         Mechanical Design       product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       9.76 in         height [in]       5.43 in         width [in]       4.33 in         depth [in]       4.33 in         depth       110 mm         Connections       arrangement of electrical connectors / for main current circuit         type of connectable conductor cross-sections / for flat-bar terminal connection / minimum       20 x 1 mm		
product function / grounding protection       No         Mechanical Design       product component         • undervoltage release       No         • voltage trigger       No         • trip indicator       No         height [in]       9.76 in         height [in]       9.76 in         height [in]       5.43 in         width [in]       5.43 in         width       138 mm         depth [in]       4.33 in         depth       110 mm         Connections       arrangement of electrical connectors / for main current circuit         type of connectable conductor cross-sections / for flat-bar terminal connection / minimum       20 x 1 mm		
Mechanical Design         product component         • undervoltage release         • voltage trigger         • trip indicator         No         height [in]         9.76 in         height         248 mm         width [in]         5.43 in         width [in]         4.33 in         depth [in]         4.33 in         depth         110 mm         Connections         arrangement of electrical connectors / for main current circuit         Front connection         type of electrical connectors / for flat-bar         type of connectable conductor cross-sections / for flat-bar         terminal connection / minimum		adjustable OFF; 20% to 160%
product component		No
• undervoltage releaseNo• voltage triggerNo• trip indicatorNoheight [in]9.76 inheight248 mmwidth [in]5.43 inwidth [in]138 mmdepth [in]4.33 indepth [in]110 mmconnectionsarrangement of electrical connectors / for main current circuittype of connectable conductor cross-sections / for flat-bar terminal connection / minimum	Mechanical Design	
• voltage triggerNo• trip indicatorNoheight [in]9.76 inheight248 mmwidth [in]5.43 inwidth138 mmdepth [in]4.33 indepth110 mmConnectionsarrangement of electrical connectors / for main current circuitFront connectiontype of connectable conductor cross-sections / for flat-bar20 x 1 mm	product component	
• trip indicator       No         height [in]       9.76 in         height       248 mm         width [in]       5.43 in         width       138 mm         depth [in]       4.33 in         depth       110 mm         Connections         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connection / for main current circuit       Rot connection         type of connectable conductor cross-sections / for flat-bar       20 x 1 mm	<ul> <li>undervoltage release</li> </ul>	No
height [in]       9.76 in         height       248 mm         width [in]       5.43 in         width       138 mm         depth [in]       4.33 in         depth       110 mm         Connections         arrangement of electrical connectors / for main current circuit       Front connection         type of electrical connection / for main current circuit       Fort connection         type of connectable conductor cross-sections / for flat-bar       20 x 1 mm	voltage trigger	No
height       248 mm         width [in]       5.43 in         width       138 mm         depth [in]       4.33 in         depth       110 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       20 x 1 mm	trip indicator	No
width [in]       5.43 in         width       138 mm         depth [in]       4.33 in         depth       110 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       20 x 1 mm	height [in]	9.76 in
width       138 mm         depth [in]       4.33 in         depth       110 mm         Connections         arrangement of electrical connectors / for main current circuit         strangement 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       20 x 1 mm	height	248 mm
depth [in]       4.33 in         depth       110 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       20 x 1 mm	width [in]	5.43 in
depth     110 mm       Connections     arrangement of electrical connectors / for main current circuit       arrangement of electrical connection / 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     20 x 1 mm	width	138 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         20 x 1 mm	depth [in]	4.33 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       20 x 1 mm	depth	110 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       20 x 1 mm	Connections	
type of connectable conductor cross-sections / for flat-bar 20 x 1 mm 20 x 1 mm	arrangement of electrical connectors / for main current circuit	Front connection
terminal connection / minimum	type of electrical connection / for main current circuit	nut keeper kit on both ends
type of connectable conductor cross-sections / for flat-bar 35 x 10 mm		20 x 1 mm
	type of connectable conductor cross-sections / for flat-bar	35 x 10 mm

terminal connection / maximum				
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				
<ul> <li>during operation / minimum</li> </ul>		-25 °C		
<ul> <li>during operation / maximum</li> </ul>		70 °C		
<ul> <li>during storage / minimum</li> </ul>		-40 °C		
<ul> <li>during storage / maximum</li> </ul>		80 °C		
Certificates				
reference code / according to IEC 81346-2		Q		
certificate of suitability / as approval for NAVAL (n vessels) / supplement SB	io combat	Yes		
General Product Approval				EMC
Confirmation		Miscellaneous	EHC	RCM
Declaration of Conformity	Marine / Shippir	ng other		Dangerous Good
UK CE CA CE	ABS	<u>Miscellaneous</u>	<u>Confirmation</u>	Transport Information

#### Further information

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business 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).

Information on the packaging

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

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA6440-6JP32-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA6440-6JP32-0AA0

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

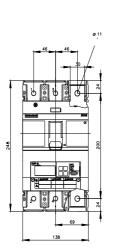
http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VA6440-6JP32-0AA0

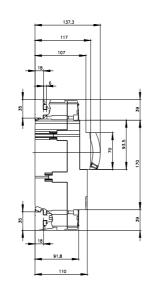
CAx-Online-Generator

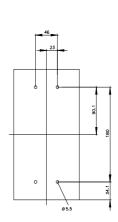
http://www.siemens.com/cax

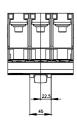
**Tender specifications** 

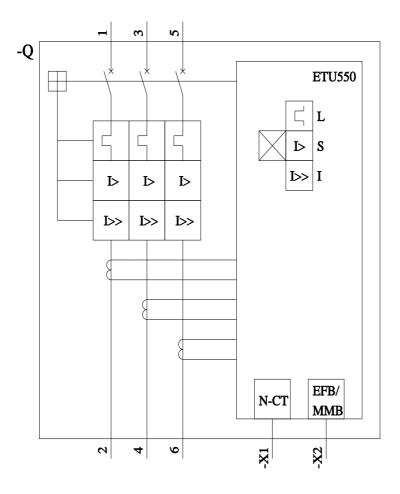
http://www.siemens.com/specifications

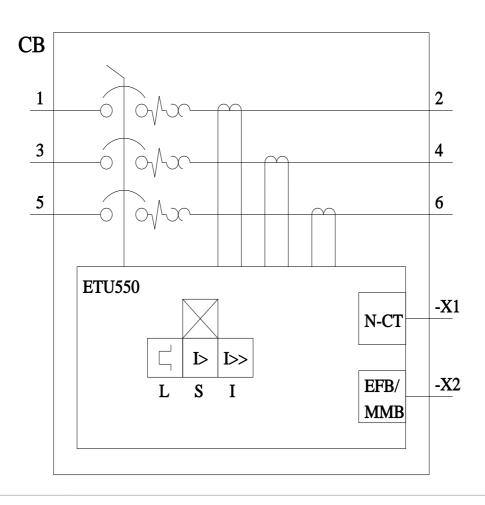












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