SIEMENS

Data sheet

Model

3VA5112-6ED26-0AA0



circuit breaker 3VA5 UL frame 125 breaking capacity class H 65kA @ 480 V 2-pole, line protection TM210, FTFM, In=125A overload protection Ir=125A fixed short-circuit protection Ii=10 x In cable connection on both sides

| SENTRON |
|-----------------------------|
| Molded-case circuit breaker |
| HEAS |
| System protection |
| Yes |
| No |
| No |
| TM210 |
| LI |
| 2 |
| |
| 600 V |
| 250 V |
| 415 V |
| 20.06 W |
| 10.03 W |
| 20 000 |
| 8 000 |
| 4 000 |
| 8 000 |
| 4 000 |
| No |
| without |
| |
| No |
| No |
| 0.668 kg |
| |
| No |
| |
| 125 A |
| 122 A |
| 119 A |
| 117 A |
| 114 A |
| |

| -1.05.90 | 440.4 |
|---|---|
| at 65 °Cat 70 °C | 112 A 109 A |
| Switching capacity according to IEC 60947 | |
| switching capacity class of the circuit breaker | Н |
| breaking capacity maximum short-circuit current (Icu) | |
| • at 240 V | 150 kA |
| ● at 415 V | 70 kA |
| breaking capacity operating short-circuit current (lcs) | |
| • at 240 V | 150 kA |
| • at 415 V | 70 kA |
| short-circuit current making capacity (lcm) | 220 hv |
| at 240 V at 415 V | 330 kA 154 kA |
| design of short-circuit 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 last chapter |
| Switching capacity according to UL 489 | |
| breaking capacity current | |
| • at 240 V | 150 kA |
| • at 480 V | 65 kA |
| ● at 600 Y/347 V | 25 kA |
| Adjustable parameters | |
| product feature / for L-tripping / selectable characteristic function | No |
| type of value list setting current (Ir) / for L-tripping / with I2t characteristic | Fest |
| reference value setting current (Ir) / for L-tripping / with I2t characteristic | x ln |
| set values setting current (Ir) / for L-tripping / with I2t characteristic | 1 |
| adjustable response factor setting current (Ir) / for L-tripping / with I2t characteristic / minimum | 1 |
| adjustable response factor setting current (Ir) / for L-tripping / with I2t characteristic / maximum | 1 |
| adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic / minimum | 125 A |
| adjustable response value setting current (Ir) / of the L-trip / with I2t characteristic / maximum | 125 A |
| type of value list delay time (tr) / for L-tripping / with I2t characteristic | Fest |
| reference value delay time (tr) / for L-tripping / with I2t characteristic | \$ |
| set values delay time (tr) / for L-tripping / with I2t characteristic | 1 |
| adjustable response value delay time (tr) / for L-tripping / with I2t characteristic / minimum | 1 s |
| adjustable response value delay time (tr) / for L-tripping / with I2t characteristic / maximum | 1 s |
| product feature / for S-tripping / independent of direction / selectable characteristic function | No |
| product feature / for I-tripping / can be switched on/off | No No |
| design of I-trip / adjustable | No |
| reference value setting current (Ii) / for I-tripping set values setting current (Ii) / for I-tripping | x In 10 |
| adjustable response factor setting current (li) / for l- | 10 |
| tripping / minimum | , |
| adjustable response factor setting current (li) / for l-tripping / maximum | 10 |
| adjustable response value setting current (li) / for l-tripping / minimum | 1 250 A |
| adjustable response value setting current (li) / for l-tripping / maximum | 1 250 A |
| product feature / for G-tripping / selectable characteristic function | No |
| product feature / with neutral conductor protection / can be switched on/off | No |
| product feature / with neutral conductor protection / adjustable | Yes |

| to a set only a list a still a summer (lably for all triangless | Ot. |
|--|---|
| type of value list setting current (InN) / for N-tripping | St |
| reference value setting current (InN) / for N-tripping | x In |
| adjustable absolute value setting current (InN) / for N- tripping / minimum | 0 A |
| adjustable absolute value setting current (InN) / for N-tripping / maximum | 0 A |
| tripping characteristic / of the lower tolerance band | AK_3VA5_1_125A_TM2_SuMuH_uT |
| tripping characteristic / of the upper tolerance band | AK_3VA5_1_125A_TM2_SuMuH_oT |
| let-through energy characteristic / at 240 V | DE_3VA5_1_125A_TM2uMCS110_line_2p_240V |
| let-through energy characteristic / at 415 V | DE_3VA5_1_125A_TM2uMCS110_line_2p_415V |
| type of value list setting current (li) / for I-tripping | Fest |
| tripping characteristic / of the let-through current characteristic / at 240 V | DS_3VA5_1_125A_TM2uMCS110_line_2p_240V |
| tripping characteristic / of the let-through current characteristic / at 415 V | DS_3VA5_1_125A_TM2uMCS110_line_2p_415V |
| Adjustable response value current / lg min. | 125 A |
| adjustable current response value current / of the current- dependent overload release / full-scale value | 125 A |
| Ground fault protection / tripping switchable / I2t=ON/OFF | No |
| Mechanical Design | |
| product component | |
| undervoltage release | No |
| voltage trigger | No |
| trip indicator | No |
| height [in] | 5.51 in |
| Height | 140 mm |
| width [in] | 2 in |
| Type of connectable conductor cross-section, round conductor terminal, stranded | 1 x (8 AWG - 3/0) |
| Width | 50.8 mm |
| depth [in] | 3.01 in |
| depth | 76.5 mm |
| Connections | |
| arrangement of electrical connectors / for main current circuit | Front connection |
| type of electrical connection / for main current circuit | circular conductor terminal on both sides |
| Auxiliary circuit | |
| number of CO contacts / for auxiliary contacts | 0 |
| Accessories | |
| product extension / optional / motor drive | No |
| Environmental conditions | |
| protection class IP / on the front | IP40 |
| ambient temperature | |
| during operation / minimum | -25 °C |
| during operation / maximum | 70 °C |
| during storage / minimum | -40 °C |
| during storage / maximum | 80 °C |
| Certificates | |
| reference code / according to IEC 81346-2 | Q |
| General Product Approval | |
| | |

Confirmation









Miscellaneous













Marine / Shipping

other





Miscellaneous

Further information

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=3VA5112-6ED26-0AA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3VA5112-6ED26-0AA0

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

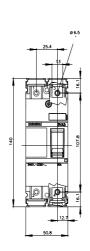
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA5112-6ED26-0AA0

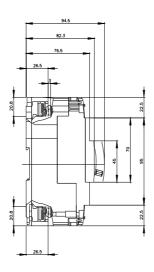
CAx-Online-Generator

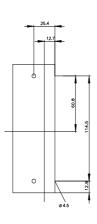
http://www.siemens.com/cax

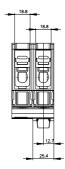
Tender specifications

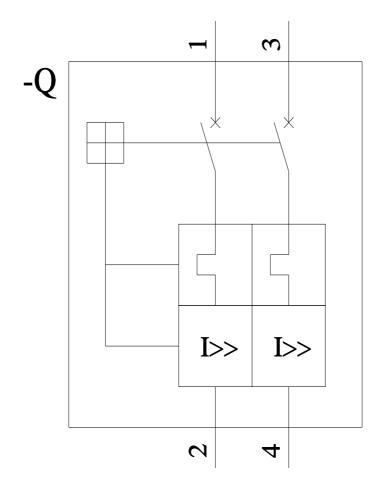
http://www.siemens.com/specifications

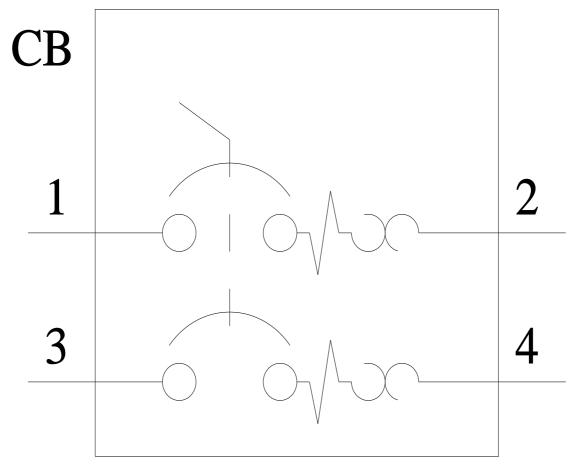












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