SIEMENS

## Data sheet 3VA4130-4ED34-0AA0



circuit breaker 3VA4 UL frame 125 breaking capacity class S 25kA @ 480 V 3-pole, line protection TM210, FTFM, In=30A overload protection Ir=30A fixed short-circuit protection Ii=10 x In clamp connection

| | |
|---|---|
| **Model** | |
| product brand name | SENTRON |
| product designation | Molded-case circuit breaker |
| Product version | System protection |
| design of the load switch / acc. to UL 489 / Heating, Air Conditioning, and Refrigeration circuit breaker (HACR Type) | Yes |
| design of the load switch / acc. to UL 489 / High-Intensity-Discharge circuit breaker (HID Type) | Yes |
| design of the overcurrent release | TM210 |
| protection function of the overcurrent release | LI |
| number of poles | 3 |
| **General technical data** | |
| power loss [W] / maximum | 9 W |
| Active power loss / for rated value of the current / at AC / in hot operating state / per pole | 3 W |
| mechanical service life (switching cycles) / typical | 15 000 |
| electrical endurance (switching cycles) / at 480 V | 8 000 |
| electrical endurance (switching cycles) / at 600 V | 4 000 |
| Neutral conductors / upgradeable/retrofittable | No |
| ground-fault monitoring version | Without |
| product function | |
| ● communication function | No |
| ● other measurement function | No |
| **Current** | |
| marking / acc. to UL 489 / 100%-rated breaker | No |
| operational current | |
| ● at 40 °C | 30 A |
| ● at 45 °C | 29 A |
| ● at 50 °C | 29 A |
| ● at 55 °C | 28 A |
| ● at 60 °C | 27 A |
| ● at 65 °C | 27 A |
| ● at 70 °C | 26 A |
| **Switching capacity according to IEC 60947** | |
| switching capacity class of the circuit breaker | S |
| **Switching capacity according to UL 489** | |
| breaking capacity current | |


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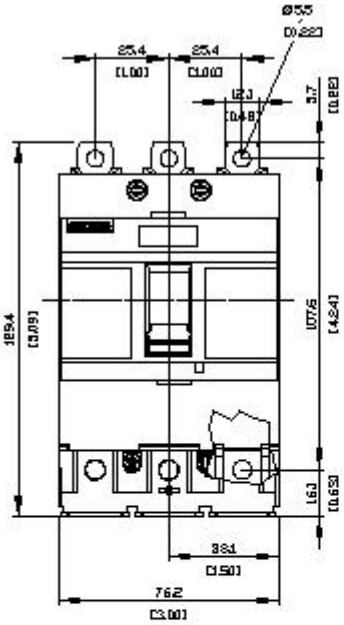
| | |
|---|---|
| • at 240 V | 65 kA |
| • at 480 Y/277 V | 25 kA |
| • at 480 V | 25 kA |
| • at 600 Y/347 V | 14 kA |
| **Adjustable parameters** | |
| Adjustable response value current / Ig min. | 30 A |
| Adjustable response value current / Ig min. | 30 A |
| Adjustable response value current / Ii min. | 300 A |
| Adjustable response value current / Ii max. | 300 A |
| Ground fault protection / tripping switchable / I2t=ON/OFF | No |
| **Mechanical Design** | |
| height [in] | 5.1 in |
| Height | 129.4 mm |
| width [in] | 3 in |
| Width | 76.2 mm |
| depth [in] | 3 in |
| depth | 75.1 mm |
| **Connections** | |
| arrangement of electrical connectors / for main current circuit | Load side: Circular conductor terminal |
| type of electrical connection / for main current circuit | Infeed side: Low tab |
| Type of connectable conductor cross-section, round conductor terminal, stranded | 1 x (14 AWG - 8 AWG) |
| **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 / acc. to IEC 81346-2 | Q |

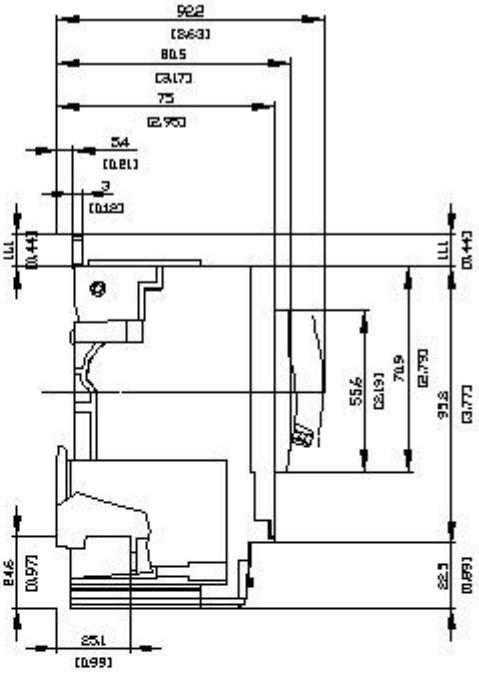
| General Product Approval | EMC | other |
|---|---|---|
| Miscellaneous | | Miscellaneous |

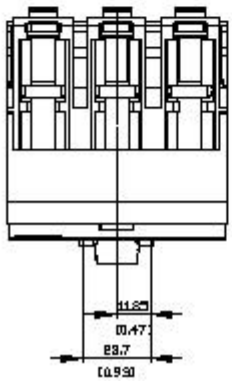
## Further information

**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=3VA4130-4ED34-0AA0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3VA4130-4ED34-0AA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA4130-4ED34-0AA0
**Tender specifications**
http://www.siemens.com/specifications


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