SIEMENS

Data sheet 5SL6340-7



Miniature circuit breaker 400 V 6kA, 3-pole, C, 40 A

| Model | | | |
|---|--------------------------------------|--|--|
| product brand name | SENTRON | | |
| product designation | Miniature circuit breaker | | |
| General technical data | | | |
| number of poles | 3 | | |
| tripping characteristic class | С | | |
| mechanical service life (switching cycles) / typical | 10 000 | | |
| overvoltage category | III | | |
| degree of pollution | 2 | | |
| Voltage | | | |
| type of voltage / of the operating voltage | AC | | |
| insulation voltage | | | |
| with multi-phase operation / at AC / rated value | 440 V | | |
| Supply voltage | | | |
| supply voltage / at AC / rated value | 400 V | | |
| operating voltage | | | |
| with multi-phase operation / at AC / maximum | 440 V | | |
| at DC / rated value / maximum | 72 V | | |
| Protection class | | | |
| protection class IP | IP20, with connected conductors | | |
| Switching capacity | | | |
| switching capacity current | | | |
| • acc. to EN 60898 / rated value | 6 kA | | |
| acc. to IEC 60947-2 / rated value | 6 kA | | |
| energy limitation class | 3 | | |
| Dissipation | | | |
| power loss [W] / for rated value of the current / at AC / in hot operating state / per pole | 3.3 W | | |
| Current | | | |
| operational current | | | |
| • at 30 °C / rated value | 40 A | | |
| at 40 °C / rated value | 38.07 A | | |
| at 45 °C / rated value | 36.8 A | | |
| • at 55 °C / rated value | 34.97 A | | |
| at AC / rated value | 40 A | | |
| | Residential buildings/infrastructure | | |
| suitability for operation | Residential buildings/infrastructure | | |

| | NI- | | | | |
|--|----------------------|----------------------|--|--|--|
| product function / neutral conductor switching | | No | | | |
| product feature / touch protection | Yes | | | | |
| product feature | \/ | | | | |
| • halogen-free | Yes | | | | |
| • sealable | Yes | | | | |
| • silicon-free | Yes | | | | |
| product extension / installable / supplementary devices | Yes | | | | |
| Connections | | | | | |
| connectable conductor cross-section / solid | | | | | |
| • minimum | 0.75 | 0.75 mm ² | | | |
| maximum | 25 mm² | | | | |
| connectable conductor cross-section / stranded | | | | | |
| • minimum | 0.75 | 0.75 mm ² | | | |
| maximum | 25 mm² | | | | |
| connectable conductor cross-section / finely stranded / with core end processing | | | | | |
| • minimum | 0.75 mm ² | | | | |
| • maximum | 25 mm² | | | | |
| tightening torque / with screw-type terminals | | | | | |
| • minimum | 2.5 N·m | | | | |
| maximum | 3 N⋅m | | | | |
| Mechanical Design | | | | | |
| height | 90 mm | | | | |
| width | 54 mm | | | | |
| depth | 76 mm | | | | |
| installation depth | 70 mm | | | | |
| number of modular width units | 3 | | | | |
| mounting position | any | | | | |
| net weight | 445 g | | | | |
| Environmental conditions | | | | | |
| ambient temperature / during operation | | | | | |
| • minimum | -25 ° | -25 °C | | | |
| • maximum | 45 °C | 45 °C | | | |
| ambient temperature / during storage | | | | | |
| • minimum | -40 ° | -40 °C | | | |
| • maximum | 75 °C | | | | |
| Certificates | | | | | |
| Certificates | | | | | |
| reference code | | | | | |
| | F | | | | |
| reference code | F F | | | | |









Miscellaneous

Further information

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SL6340-7

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

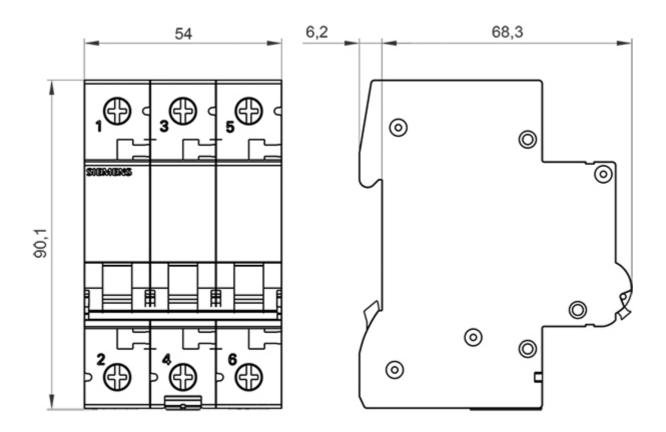
https://support.industry.siemens.com/cs/ww/en/ps/5SL6340-7

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6340-7

CAx-Online-Generator

http://www.siemens.com/cax



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