



CIRCUIT-BREAKER, SIZE S00, FOR MOTOR PROTECTION, CLASS 10, A REL.0.55...0.8A, N REL. 10A, SCREW CONNECTION, STANDARD BREAKING CAPACITY W. TRANSV. AUX. SWITCH 1NO/1NC

Figure similar

| | | |
|-----------------------|--|----------------------|
| product brand name | | SIRIUS |
| Product designation | | circuit breaker |
| Design of the product | | for motor protection |

General technical data:

| | | |
|--|---|-------------|
| Active power loss total typical | W | 5 |
| Shock resistance | | 25g / 11 ms |
| Surge voltage resistance Rated value | V | 6 000 |
| Mechanical service life (switching cycles) | | |
| • of the main contacts typical | | 100 000 |
| Protection class IP | | |
| • on the front | | IP20 |
| Equipment marking | | |
| • acc. to DIN EN 61346-2 | | Q |

Main circuit:

| | | |
|---|---|--------------|
| Number of poles for main current circuit | | 3 |
| Adjustable response value current of the current-dependent overload release | A | 0.55 ... 0.8 |
| Operating voltage | | |
| • Rated value | V | 690 |
| • at AC-3 Rated value maximum | V | 690 |
| Operating current | | |
| • at AC-3 | | |
| — at 400 V Rated value | A | 0.8 |
| Operating power | | |
| • at AC-3 | | |

| | | |
|----------------------------|-----|------|
| — at 400 V Rated value | kW | 0.18 |
| Operating frequency | | |
| • at AC-3 maximum | 1/h | 15 |

Auxiliary circuit:

| | | |
|---|---|------------|
| Number of CO contacts | | 0 |
| • for auxiliary contacts | | |
| Product expansion Auxiliary switch | | Yes |
| Design of the auxiliary switch | | transverse |
| Operating current of the auxiliary contacts at AC-15 | | |
| • at 24 V | A | 2 |
| • at 230 V | A | 0.5 |
| Operating current of the auxiliary contacts at DC-13 | | |
| • at 24 V | A | 1 |
| • at 60 V | A | 0.15 |

Protective and monitoring functions:

| | | |
|--|----|----------|
| Trip class | | CLASS 10 |
| Maximum short-circuit current breaking capacity (Icu) | | |
| • with AC at 240 V Rated value | kA | 100 |
| • with AC at 400 V Rated value | kA | 100 |
| • with AC at 500 V Rated value | kA | 100 |
| • with AC at 690 V Rated value | kA | 100 |

Short-circuit:

| | | |
|--|--|----------------|
| Design of the overcurrent release and short-circuit release | | thermomagnetic |
|--|--|----------------|

Installation/ mounting/ dimensions:

| | | |
|------------------------------|----|--|
| mounting position | | any |
| Mounting type | | screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022 |
| Height | mm | 90 |
| Width | mm | 45 |
| Depth | mm | 81 |
| Required spacing | | |
| • with side-by-side mounting | | |
| — Backwards | mm | 0 |
| — at the side | mm | 0 |

Connections/ Terminals:

| | | |
|--|--|----------------------|
| Type of electrical connection | | |
| • for main current circuit | | screw-type terminals |
| • for auxiliary and control current circuit | | screw-type terminals |
| Arrangement of electrical connectors for main current circuit | | front side |

| | | |
|--|--|---|
| Product function | | No |
| <ul style="list-style-type: none"> • removable terminal for auxiliary and control circuit | | |
| Type of connectable conductor cross-section | | |
| <ul style="list-style-type: none"> • for main contacts <ul style="list-style-type: none"> — solid — stranded — finely stranded with core end processing • for AWG conductors for main contacts • for auxiliary contacts <ul style="list-style-type: none"> — solid — finely stranded with core end processing • for AWG conductors for auxiliary contacts | | 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (0.5 ... 1.5 mm ²), 2x (0.75 ... 2.5 mm ²) 2x (18 ... 14) |

Safety related data:

| | | |
|--|--|-------------|
| Protection against electrical shock | | finger-safe |
|--|--|-------------|

Mechanical data:

| | | |
|------------------------------------|--|-----|
| Size of the circuit-breaker | | S00 |
|------------------------------------|--|-----|

Ambient conditions:

| | | |
|--|----------------|---|
| Installation altitude at height above sea level maximum | m | 2 000 |
| Ambient temperature | | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport | °C °C °C | -20 ... +60 -50 ... +80 -50 ... +80 |

Certificates/ approvals:

| | | |
|--------------------------|-------------------|-------------------|
| General Product Approval | Test Certificates | Shipping Approval |
|--------------------------|-------------------|-------------------|



[Special Test Certificate](#)



| |
|-------------------|
| Shipping Approval |
|-------------------|



| |
|-------|
| other |
|-------|

[Confirmation](#)

[Declaration of Conformity](#)

[Environmental Confirmations](#)



[other](#)

| |
|---------------------|
| Further information |
|---------------------|

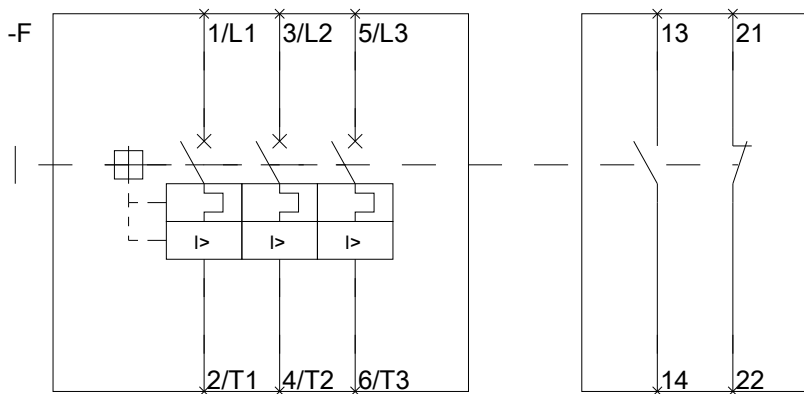
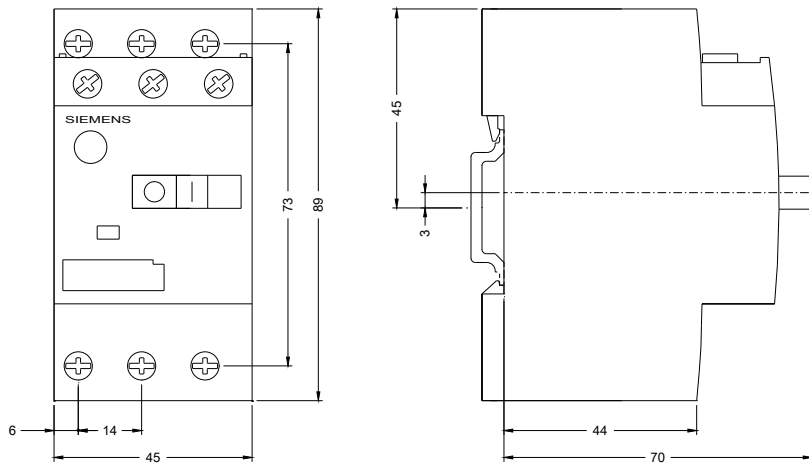
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
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11.03.2015