

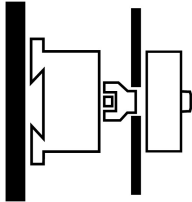
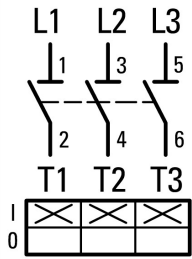


Fuse switch-disconnector, 3 pole, rear mounting, 40 A, NH000/NH00



Part no. QSA40N0-00/3  
 Catalog No. 1320201

**Delivery program**

|   |       |      |  |
|---|-------|------|--|
| Product range                             |       |      | Fuse-switch-disconnector<br>Main switch<br>maintenance switch                        |
| Part group reference                      |       |      | QSA  |
| Stop Function                             |       |      | optional   |
| Notes                                     |       |      | Suitable for DIN fuse-links (blade contacts type)                                    |
| Information about equipment supplied      |       |      | Auxiliary contact or neutral conductor fitted by user.                               |
| Number of poles                           |       |      | 3 pole   |
| <b>Auxiliary contacts</b>                 |       |      |  |
|   |       | N/O  | 0  |
|   |       | N/C  | 0  |
| Degree of Protection                      |       |      | IP00<br>IP20 with terminal cover   |
| Design                                    |       |      | rear mounting  |
|   |       |      |   |
| Contact sequence                          |       |      |  |
| Rated uninterrupted current               | $I_u$ | A    | 40   |
| Note on rated uninterrupted current $I_u$ |       |      | Rated uninterrupted current $I_u$ is specified for max. cross-section.               |
| Fuse cartridge                            |       | Size | NH000/NH00   |

**Technical data**

|                                       |           |    |   |
|---------------------------------------|-----------|----|---|
| <b>General</b>                        |           |    |   |
| Standards                             |           |    | IEC/EN 60947, VDE 0660, IEC/EN 60204<br>Switch-disconnector according to IEC/EN 60947-3 |
| Certifications                        |           |    | CE, RoHs  |
| Ambient temperature                   |           |    |   |
| Operation                             | $\theta$  | °C | -25 - +55   |
| Storage                               | $\theta$  | °C | -30 - +80   |
| Overvoltage category/pollution degree |           |    | III/3   |
| Rated impulse withstand voltage       | $U_{imp}$ | kV | 6   |
| Rated insulation voltage              | $U_i$     | V  | 690   |
| Mounting position                     |           |    | As required   |
| <b>Contacts</b>                       |           |    |   |
| <b>Mechanical variables</b>           |           |    |   |
| Number of poles                       |           |    | 3 pole  |

|  |           |      |  |
|--|-----------|------|--|
| Auxiliary contacts                           |           |      |  |
|  |           | N/O  | 0  |
|  |           | N/C  | 0  |
| Electrical characteristics                   |           |      |  |
| Rated operational voltage                    | $U_e$     | V AC | 690  |
| Rated uninterrupted current                  | $I_u$     | A    | 40   |
| Note on rated uninterrupted current $I_u$    |           |      | Rated uninterrupted current $I_u$ is specified for max. cross-section. |
| Heat dissipation per pole, current-dependent | $P_{vid}$ | W    | 1.5  |

## Design verification as per IEC/EN 61439

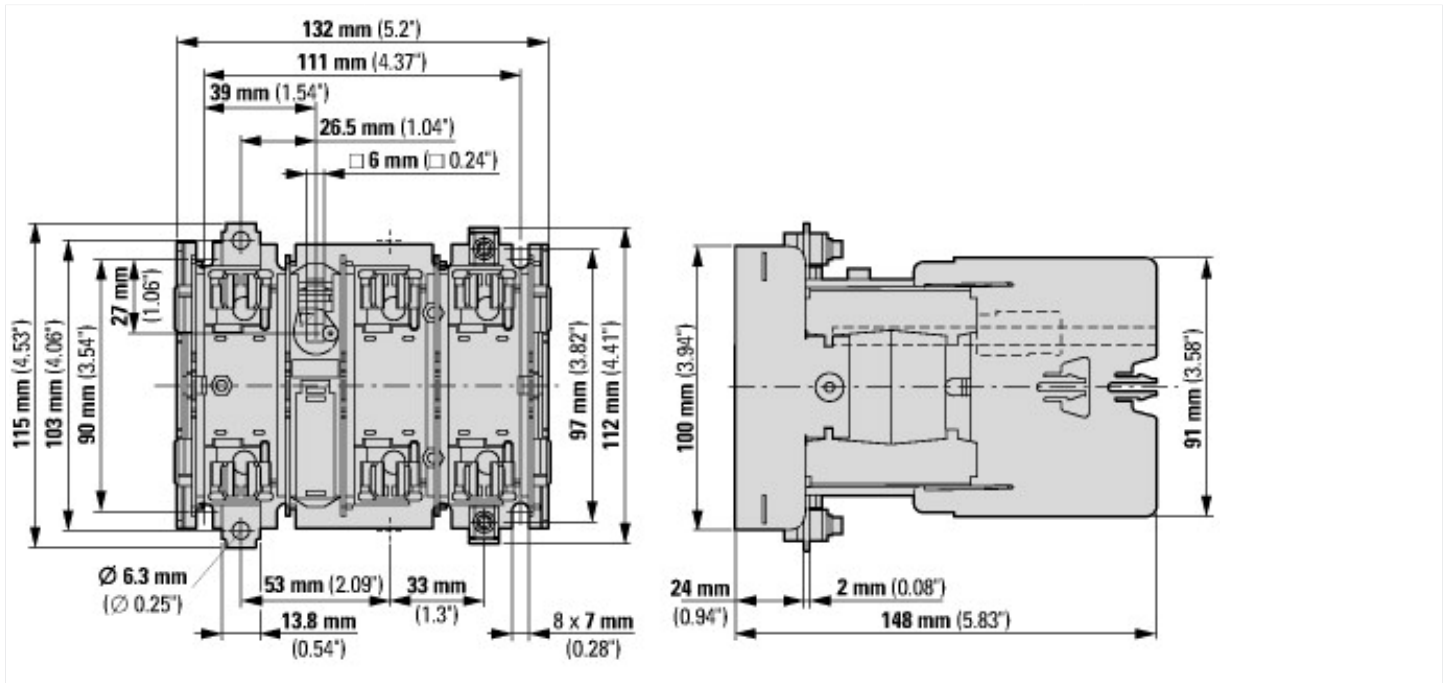
|  |            |    |  |
|--|------------|----|--|
| Technical data for design verification   |            |    |  |
| Rated operational current for specified heat dissipation   | $I_n$      | A  | 40   |
| Heat dissipation per pole, current-dependent   | $P_{vid}$  | W  | 1.5  |
| Equipment heat dissipation, current-dependent  | $P_{vid}$  | W  | 0  |
| Static heat dissipation, non-current-dependent   | $P_{vs}$   | W  | 0  |
| Heat dissipation capacity  | $P_{diss}$ | W  | 0  |
| Operating ambient temperature min.   |            | °C | -25  |
| Operating ambient temperature max.   |            | °C | 55   |
| IEC/EN 61439 design verification   |            |    |  |
| 10.2 Strength of materials and parts   |            |    |  |
| 10.2.2 Corrosion resistance  |            |    | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures   |            |    | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat   |            |    | Meets the product standard's requirements.   |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |            |    | Meets the product standard's requirements.   |
| 10.2.4 Resistance to ultra-violet (UV) radiation   |            |    | Meets the product standard's requirements.   |
| 10.2.5 Lifting   |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.6 Mechanical impact   |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.7 Inscriptions  |            |    | Meets the product standard's requirements.   |
| 10.3 Degree of protection of ASSEMBLIES  |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.4 Clearances and creepage distances   |            |    | Meets the product standard's requirements.   |
| 10.5 Protection against electric shock   |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.6 Incorporation of switching devices and components   |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.7 Internal electrical circuits and connections  |            |    | Is the panel builder's responsibility.   |
| 10.8 Connections for external conductors   |            |    | Is the panel builder's responsibility.   |
| 10.9 Insulation properties   |            |    |  |
| 10.9.2 Power-frequency electric strength   |            |    | Is the panel builder's responsibility.   |
| 10.9.3 Impulse withstand voltage   |            |    | Is the panel builder's responsibility.   |
| 10.9.4 Testing of enclosures made of insulating material   |            |    | Is the panel builder's responsibility.   |
| 10.10 Temperature rise   |            |    | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating   |            |    | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.12 Electromagnetic compatibility  |            |    | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| 10.13 Mechanical function  |            |    | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

## Technical data ETIM 7.0

|  |  |    |     |
|--|--|----|-----|
| Low-voltage industrial components (EG000017) / Fuse switch disconnecter (EC001040)   |  |    |     |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnecter (ecl@ss10.0.1-27-37-14-01 [AKF058013]) |  |    |     |
| Version as main switch   |  |    | Yes |
| Version as safety switch   |  |    | No  |
| Max. rated operation voltage $U_e$ AC  |  | V  | 690 |
| Rated permanent current $I_u$  |  | A  | 40  |
| Rated operation power at AC-23, 400 V  |  | kW | 22  |

|   |    |                  |
|---|----|------------------|
| Conditioned rated short-circuit current Iq    | kA | 50               |
| Rated short-time withstand current Icw        | kA | 0                |
| Suitable for fuses                            |    | NH000, NH00      |
| Number of poles                               |    | 3                |
| With error protection                         |    | No               |
| Type of electrical connection of main circuit |    | Screw connection |
| Cable entry                                   |    | Other            |
| Equipped with connectors                      |    | Yes              |
| Suitable for ground mounting                  |    | Yes              |
| Suitable for front mounting 4-hole            |    | No               |
| Suitable for busbar mounting                  |    | No               |
| Type of control element                       |    | Other            |
| Position control element                      |    | Front side       |
| Motor drive optional                          |    | No               |
| Motor drive integrated                        |    | No               |
| Version as emergency stop installation        |    | No               |
| Degree of protection (IP), front side         |    | IP00             |

## Dimensions



## Assets (links)

### Declaration of CE Conformity

00003042

### Instruction Leaflets

IL008010ZU2018\_05

## Additional product information (links)

### IL008010ZU Safety switch-disconnector

IL008010ZU Safety switch-disconnector

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL008010ZU2018\\_05.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL008010ZU2018_05.pdf)