



## Residual current circuit breaker (RCCB), 63A, 4 p, 30mA, type A

**Part no.** PF6-63/4/003-A  
**Article no.** 112936

Similar to illustration

### Design verification as per IEC/EN 61439

| Technical data for design verification   |           |   |  |
|--|-----------|---|--|
| Rated operational current for specified heat dissipation   | $I_n$     | A | 63   |
| Equipment heat dissipation, current-dependent  | $P_{vid}$ | W | 13.4   |
| 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 5.0

| Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)   |  |    |                |
|--|--|----|----------------|
| Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ec1@ss8-27-14-22-01 [AAB906010]) |  |    |                |
| Number of poles  |  |    | 4              |
| Rated voltage  |  | V  | 400            |
| Rated current  |  | A  | 63             |
| Rated fault current  |  | A  | 0.03           |
| Mounting method  |  |    | DIN-rail (DRA) |
| Leakage current type   |  |    | A              |
| Selective protection   |  |    | No             |
| Short-circuit breaking capacity ( $I_{cw}$ )   |  | kA | 6              |
| Rated short-circuit breaking capacity EN 60898   |  | kA | 0.63           |
| Rated short-circuit breaking capacity IEC 60947-2  |  | kA | 0              |
| Surge current capacity   |  | kA | 0.25           |
| Frequency  |  |    | 50 Hz          |

|  |  |    |      |
|--|--|----|------|
| Additional equipment possible                    |  |    | Yes  |
| Degree of protection (IP)                        |  |    | IP20 |
| Construction size (in accordance with DIN 43880) |  |    | 1    |
| Width in number of modular spacings              |  |    | 4    |
| Built-in depth                                   |  | mm | 69.5 |
| Short-time delayed tripping                      |  |    | No   |