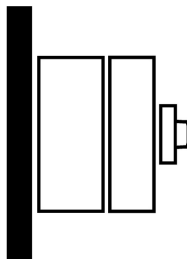




**Main switch, 32 A, surface mounting, 3 pole + N, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position**

**Part no. J32/R/N**  
**Catalog No. 199551**

## Delivery program

|                                           |       |   |                                                                                     |
|-------------------------------------------|-------|---|-------------------------------------------------------------------------------------|
| Part group reference                      |       |   | J                                                                                   |
| Stop Function                             |       |   | Emergency switching off function                                                    |
|                                           |       |   | With red rotary handle and yellow locking ring                                      |
| Notes                                     |       |   | with push-through cable entry diaphragm.<br>with assembly sheet screen              |
| Number of poles                           |       |   | 3 pole + N                                                                          |
| Locking facility                          |       |   | Lockable in the 0 (Off) position                                                    |
| Degree of Protection                      |       |   | IP65                                                                                |
| Design                                    |       |   | surface mounting                                                                    |
|                                           |       |   |  |
| Rated uninterrupted current               | $I_u$ | A | 32                                                                                  |
| Note on rated uninterrupted current $I_u$ |       |   | Rated uninterrupted current $I_u$ is specified for max. cross-section.              |

## Technical data

### General

|                                       |           |      |                                                                                         |
|---------------------------------------|-----------|------|-----------------------------------------------------------------------------------------|
| Standards                             |           |      | IEC/EN 60947, VDE 0660, IEC/EN 60204<br>Switch-disconnector according to IEC/EN 60947-3 |
| Climatic proofing                     |           |      | Damp heat, cyclic, to IEC 60068-2-30                                                    |
| Ambient temperature                   |           |      |                                                                                         |
| Enclosed                              |           | °C   | -25 - +40                                                                               |
| Overvoltage category/pollution degree |           |      | III/3                                                                                   |
| Rated impulse withstand voltage       | $U_{imp}$ | V AC | 6000                                                                                    |
| Mechanical shock resistance           |           | g    | 15                                                                                      |
| Mounting position                     |           |      | As required                                                                             |

### Contacts

|                                                     |          |           |                                                                        |
|-----------------------------------------------------|----------|-----------|------------------------------------------------------------------------|
| Mechanical variables                                |          |           |                                                                        |
| Number of poles                                     |          |           | 3 pole + N                                                             |
| Electrical characteristics                          |          |           |                                                                        |
| Rated operational voltage                           | $U_e$    | V AC      | 690                                                                    |
| Rated uninterrupted current                         | $I_u$    | A         | 32                                                                     |
| Note on rated uninterrupted current $I_u$           |          |           | Rated uninterrupted current $I_u$ is specified for max. cross-section. |
| Short-circuit rating                                |          |           |                                                                        |
| Fuse                                                |          | A gG/gL   | 50                                                                     |
| Rated short-time withstand current (1 s current)    | $I_{cw}$ | $A_{rms}$ | 640                                                                    |
| Note on rated short-time withstand current $I_{cw}$ |          |           | Current for a time of 1 second                                         |
| Rated conditional short-circuit current             | $I_q$    | kA        | 80                                                                     |

### Switching capacity

|                                                     |  |   |     |
|-----------------------------------------------------|--|---|-----|
| cos $\phi$ rated making capacity as per IEC 60947-3 |  | A | 320 |
| Rated breaking capacity cos $\phi$ to IEC 60947-3   |  | A |     |
| 230 V                                               |  | A | 260 |

|                                      |                |               |       |
|--------------------------------------|----------------|---------------|-------|
| 400/415 V                            |                | A             | 300   |
| 500 V                                |                | A             | 290   |
| 690 V                                |                | A             | 250   |
| Safe isolation to EN 61140           |                |               |       |
| between the contacts                 |                | V AC          | 440   |
| Lifespan, mechanical                 | Operations     | $\times 10^6$ | > 0.3 |
| Maximum operating frequency          | Operations/h   |               | 1200  |
| AC                                   |                |               |       |
| AC-21A                               |                |               |       |
| Rated operational current switch     |                |               |       |
| 440 V                                | I <sub>e</sub> | A             | 32    |
| DC                                   |                |               |       |
| DC-1, Load-break switches L/R = 1 ms |                |               |       |
| Rated operational current            | I <sub>e</sub> | A             | 32    |
| Voltage per contact pair in series   |                | V             | 60    |

### Terminal capacities

|                                      |  |                 |                                 |
|--------------------------------------|--|-----------------|---------------------------------|
| Solid or stranded                    |  | mm <sup>2</sup> | 1 x (1,5 - 10)<br>2 x (1,5 - 6) |
| Flexible with ferrules to DIN 46228  |  | mm <sup>2</sup> | 1 x (1 - 4)<br>2 x (1 - 4)      |
| Terminal screw                       |  |                 | M4                              |
| Tightening torque for terminal screw |  | Nm              | 1.6                             |

### Technical safety parameters:

|       |  |  |                                                         |
|-------|--|--|---------------------------------------------------------|
| Notes |  |  | B10 <sub>d</sub> values as per EN ISO 13849-1, table C1 |
|-------|--|--|---------------------------------------------------------|

### Rating data for approved types

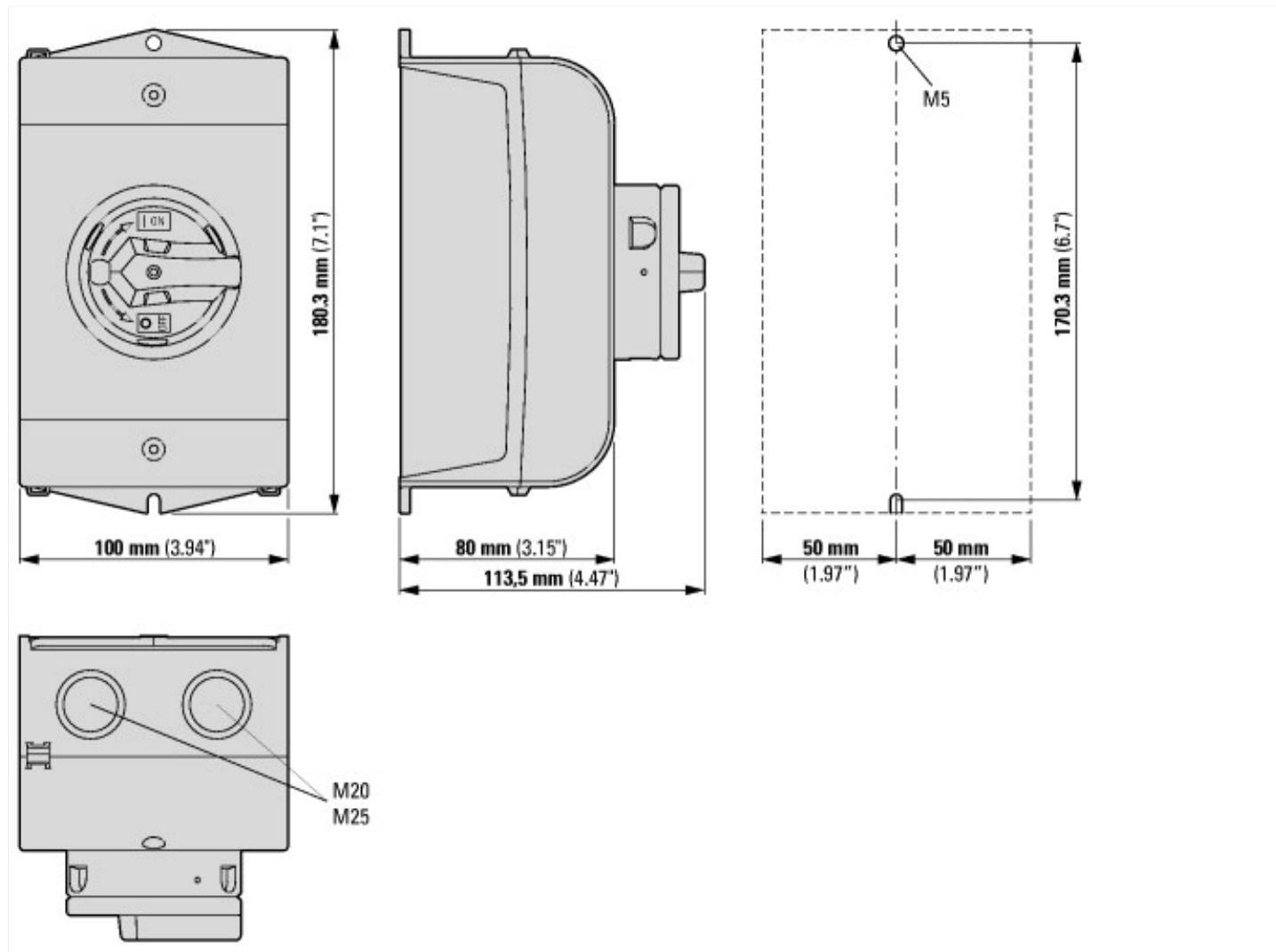
|                   |  |  |    |
|-------------------|--|--|----|
| Terminal capacity |  |  |    |
| Terminal screw    |  |  | M4 |

## Technical data ETIM 7.0

|                                                                                                                                                                                                               |  |    |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|----------------------------|
| Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216)                                                                                                                                 |  |    |                            |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecI@ss10.0.1-27-37-14-03 [AKF060013]) |  |    |                            |
| Version as main switch                                                                                                                                                                                        |  |    | Yes                        |
| Version as maintenance-/service switch                                                                                                                                                                        |  |    | Yes                        |
| Version as safety switch                                                                                                                                                                                      |  |    | Yes                        |
| Version as emergency stop installation                                                                                                                                                                        |  |    | Yes                        |
| Version as reversing switch                                                                                                                                                                                   |  |    | No                         |
| Number of switches                                                                                                                                                                                            |  |    | 1                          |
| Max. rated operation voltage U <sub>e</sub> AC                                                                                                                                                                |  | V  | 690                        |
| Rated operating voltage                                                                                                                                                                                       |  | V  | 415 - 690                  |
| Rated permanent current I <sub>u</sub>                                                                                                                                                                        |  | A  | 32                         |
| Rated permanent current at AC-23, 400 V                                                                                                                                                                       |  | A  |                            |
| Rated permanent current at AC-21, 400 V                                                                                                                                                                       |  | A  | 32                         |
| Rated operation power at AC-3, 400 V                                                                                                                                                                          |  | kW |                            |
| Rated short-time withstand current I <sub>cw</sub>                                                                                                                                                            |  | kA | 0.64                       |
| Rated operation power at AC-23, 400 V                                                                                                                                                                         |  | kW |                            |
| Switching power at 400 V                                                                                                                                                                                      |  | kW |                            |
| Conditioned rated short-circuit current I <sub>q</sub>                                                                                                                                                        |  | kA | 80                         |
| Number of poles                                                                                                                                                                                               |  |    | 4                          |
| Number of auxiliary contacts as normally closed contact                                                                                                                                                       |  |    | 0                          |
| Number of auxiliary contacts as normally open contact                                                                                                                                                         |  |    | 0                          |
| Number of auxiliary contacts as change-over contact                                                                                                                                                           |  |    | 0                          |
| Motor drive optional                                                                                                                                                                                          |  |    | No                         |
| Motor drive integrated                                                                                                                                                                                        |  |    | No                         |
| Voltage release optional                                                                                                                                                                                      |  |    | No                         |
| Device construction                                                                                                                                                                                           |  |    | Complete device in housing |
| Suitable for ground mounting                                                                                                                                                                                  |  |    | Yes                        |

|                                               |  |                            |
|-----------------------------------------------|--|----------------------------|
| Suitable for front mounting 4-hole            |  | No                         |
| Suitable for front mounting centre            |  | No                         |
| Suitable for distribution board installation  |  | No                         |
| Suitable for intermediate mounting            |  | No                         |
| Colour control element                        |  | Red                        |
| Type of control element                       |  | Door coupling rotary drive |
| Interlockable                                 |  | No                         |
| Type of electrical connection of main circuit |  | Screw connection           |
| Degree of protection (IP), front side         |  | IP65                       |
| Degree of protection (NEMA)                   |  |                            |

## Dimensions



## Additional product information (links)

|                                                    |                                                                                                                                                                                                 |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical overview cam switch, switch-disconnector | <a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.2">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.2</a>                                     |
| System overview cam switch T                       | <a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.4">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.4</a>                                     |
| System overview switch-disconnector P              | <a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.6">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.6</a>                                     |
| Key to part numbers Cam switch                     | <a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8</a>                                     |
| Key to part numbers Switch-disconnector            | <a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8</a>                                     |
| Switches for ATEX                                  | <a href="http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html">http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html</a> |