



## Fuse switch-disconnector, 100A, 1p, 22x58 size

Part no. **VLC22-1P**  
Article no. **285366**

### Delivery program

|                 |  |  |  |
|-----------------|--|--|--|
|                 |  |  | For cylindrical fuses                    |
|                 |  |  | Up to 100 A<br>Without flashing function |
| Size            |  |  | 22 x 58                                  |
| Number of poles |  |  | 1 pole                                   |

### Technical data

#### Electrical

|   |           |      |                                |
|---|-----------|------|--------------------------------|
| Number of poles                         |           |      | 1P<br>1P+N<br>2P<br>3P<br>3P+N |
| Rated operating voltage                 | $U_e$     | V AC | 690                            |
| Rated operational current               | $I_e$     | A    | 100                            |
| Rated conditional short-circuit current | $I_e$     |      | 100                            |
| Rated frequency                         | f         | Hz   | 50                             |
| Utilization category                    |           |      | AC 21 B                        |
| Rated impulse withstand voltage         | $U_{imp}$ | kV   | 8                              |
| Fuse                                    |           | W    | gG: 9.5, aM: 7                 |

#### Mechanical

|   |  |                 |  |
|---|--|-----------------|--|
| Standard front dimension                        |  | mm              | 45   |
| Enclosure height                                |  | mm              | 121  |
| Mounting width                                  |  | mm              | 36/per pole  |
| Weight  |  | g               | 1P 160<br>1P+N 355<br>2P 310<br>3P 480<br>3P+N 680 |
| Mounting  |  |                 | Quick attachment for top-hat rail IEC/EN 60715     |
| Degree of protection                            |  |                 |  |
| Integrated                                      |  |                 | IP20   |
| Terminals                                       |  |                 | Lift terminals                                     |
| Terminal capacities                             |  | mm <sup>2</sup> |  |
| Solid   |  | mm <sup>2</sup> | 2.5 - 35   |
| Temperature range                               |  | °C              | -25 ... +60  |
| Specified tightening torque for terminal screws |  |                 |  |
| Tightening torque                               |  | Nm              | max. 2.5   |
| Overvoltage category/pollution degree           |  |                 | -/1  |
| Track resistance                                |  |                 | CTI 400  |

### Design verification as per IEC/EN 61439

|  |            |   |     |
|--|------------|---|-----|
| Technical data for design verification                   |            |   |     |
| Rated operational current for specified heat dissipation | $I_n$      | A | 100 |
| Heat dissipation per pole, current-dependent             | $P_{vid}$  | W | 0   |
| Equipment heat dissipation, current-dependent            | $P_{vid}$  | W | 9.5 |
| 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  |
|                                    |    | 0   |

## Technical data ETIM 6.0

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@ss8.1-27-37-14-01 [AKF058010])

|   |    |                  |
|---|----|------------------|
| Version as main switch                        |    | No               |
| Version as safety switch                      |    | Yes              |
| Max. rated operation voltage Ue AC            | V  | 690              |
| Rated permanent current Iu                    | A  | 100              |
| Rated operation power at AC-23, 400 V         | kW | 0                |
| Conditioned rated short-circuit current Iq    | kA | 100              |
| Rated short-time withstand current Icw        | kA | 1.2              |
| Suitable for fuses                            |    | Not applicable   |
| Number of poles                               |    | 1                |
| With error protection                         |    | No               |
| Type of electrical connection of main circuit |    | Screw connection |
| Suitable for ground mounting                  |    | Yes              |
| Suitable for front mounting 4-hole            |    | No               |
| Suitable for busbar mounting                  |    | No               |
| Type of control element                       |    | Rocker lever     |
| 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         |    | IP20             |

## Dimensions

