

**Switch-disconnector, 3p, 3200A, withdrawable part**

**Part no.** IN32N3-32W  
**Catalog No.** 123687

**Delivery program**

|   |             |    |   |
|---|-------------|----|---|
| Product range                               |             |    | Air circuit-breakers/switch-disconnectors |
| Product range                               |             |    | Open switch-disconnectors                 |
| Current Range                               |             |    | 4000 to 6300 A                            |
| Protective function                         |             |    | without protection                        |
| Installation type                           |             |    | Withdrawable                              |
| Construction size                           |             |    | IN32                                      |
| Standard/Approval                           |             |    | IEC                                       |
| Number of poles                             |             |    | 3 pole                                    |
| Degree of Protection                        |             |    | IP20, IP55 with protective cover          |
| Rated current = rated uninterrupted current | $I_n = I_u$ | A  | 3200                                      |
| up to 440 V 50/60 Hz                        | $I_{cm}$    | kA | 110                                       |
| $t = 1$ s                                   | $I_{cw}$    | kA | 85  |
| $t = 3$ s                                   | $I_{cw}$    | kA | 65  |

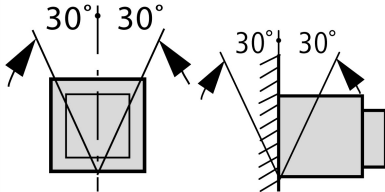
**Notes**

Including rear connection main terminals and secondary terminal blocks according to ordered breaker options.

Note concerning the product

Cassette needs to be ordered separately.

**Technical data**
**General**

|                              |          |    |  |
|------------------------------|----------|----|--|
| Standards                    |          |    | IEC/EN 60947   |
| Ambient temperature          |          |    |  |
| Storage                      | $\theta$ | °C | -40 - +70  |
| Operating (open)             |          | °C | -25 - +70  |
| Mounting position            |          |    |  |
| Utilization category         |          |    | B  |
| Degree of Protection         |          |    | IP20, IP55 with protective cover   |
| Direction of incoming supply |          |    | as required  |

**Main conducting paths**

|   |             |      |       |
|---|-------------|------|-------|
| Rated current = rated uninterrupted current           | $I_n = I_u$ | A    | 3200  |
| Rated uninterrupted current at 50 °C                  | $I_u$       | A    | 3100  |
| Rated uninterrupted current at 60 °C                  | $I_u$       | A    | 2800  |
| Rated uninterrupted current at 70 °C                  | $I_u$       | A    | 2550  |
| Rated impulse withstand voltage                       | $U_{imp}$   | V AC | 8000  |
| Rated operational voltage                             | $U_e$       | V AC | 690   |
| Use in IT electrical power networks up to $U = 440$ V | $I_{IT}$    | kA   | 39    |
| Overvoltage category/pollution degree                 |             |      | III/3 |
| Rated insulation voltage                              | $U_i$       | V    | 1000  |

**Switching capacity**

|                                     |          |    |     |
|-------------------------------------|----------|----|-----|
| Rated short-circuit making capacity | $I_{cm}$ |    |     |
| up to 440 V 50/60 Hz                | $I_{cm}$ | kA | 110 |
| up to 690 V 50/60 Hz                | $I_{cm}$ | kA | 187 |

|  |                 |        |       |
|--|-----------------|--------|-------|
| Rated short-time withstand current 50/60 Hz      |                 |        |       |
| t = 1 s  | I <sub>cw</sub> | kA     | 85    |
| t = 3 s  | I <sub>cw</sub> | kA     | 65    |
| Operating times                                  |                 |        |       |
| Closing delay via spring release                 |                 | ms     | 35    |
| Break times                                      |                 | ms     | 40    |
| Total opening delay via shunt release            |                 | ms     | 30    |
| Total opening delay via undervoltage release     |                 | ms     | 35/70 |
| Maximum operating frequency                      |                 | Ops./h |       |
| Maximum operating frequency                      | Operations/h    |        | 60    |
| Heat dissipation at rated current I <sub>n</sub> |                 |        |       |
| Fixed mounting                                   |                 | W      | 320   |
| Withdrawable units (switch with cassette)        |                 | W      | 800   |

Weight

|                |  |    |     |
|----------------|--|----|-----|
| Fixed mounting |  |    |     |
| 3-pole         |  | kg | 70  |
| 4-pole         |  | kg | 89  |
| Withdrawable   |  |    |     |
| 3-pole         |  | kg | 88  |
| 4-pole         |  | kg | 115 |
| Cassette       |  |    |     |
| 3 pole         |  | kg | 60  |
| 4 pole         |  | kg | 73  |

Terminal capacities

|   |  |    |              |
|---|--|----|--------------|
| Copper bar  |  |    |              |
| Fixed mounting  |  |    |              |
| Black   |  | mm | 3 x 10 x 100 |
| Withdrawable units  |  |    |              |
| Black   |  | mm | 3 x 10 x 100 |
| Permissible continuous current for circuit-breakers operating in switchboards at various internal ambient temperatures. The switchboard's internal ambient temperature should be estimated using the calculation methods of IEC regulation. |  |    |              |

Design verification as per IEC/EN 61439

|  |  |    |     |
|--|--|----|-----|
| Technical data for design verification |  |    |     |
| Operating ambient temperature max.     |  | °C | -25 |
| Operating ambient temperature max.     |  | °C | 70  |

Dimensions

