

According to IEC 60947-3, EN 60947-3, VDE 0660 part 107



| Rated Thermal Current $I_U/I_{th}/I_{the}$                                           |                                                                                     |                    |                                                    |                            | A                        | 25       |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------|----------------------------------------------------|----------------------------|--------------------------|----------|
| Rated Insulation Voltage $U_i$ <sup>1</sup>                                          |                                                                                     |                    |                                                    |                            | V                        | 690      |
| Rated Impulse Withstand Voltage $U_{imp}$                                            |                                                                                     |                    |                                                    |                            | kV                       | 4        |
| Rated Operational Current $I_e$                                                      |                                                                                     |                    |                                                    |                            |                          |          |
| AC-21A                                                                               | Switching of resistive loads, including moderate overloads                          |                    |                                                    |                            | A                        | 25       |
| AC-22A                                                                               | Switching of combined resistive or low inductive loads including moderate overloads |                    |                                                    | 220 V–500 V<br>660 V–690 V | A                        | 20<br>20 |
| Rated Utilization Category                                                           |                                                                                     |                    |                                                    |                            |                          |          |
| AC-3                                                                                 | Direct-on-line starting                                                             | 3 phase,<br>3 pole | 220 V–240 V<br>380 V–440 V<br>500 V<br>660 V–690 V | kW                         | 4<br>5,5<br>5,5<br>5,5   |          |
| AC-23A                                                                               | Frequent switching of motors or other high inductive loads                          | 3 phase,<br>3 pole | 220 V–240 V<br>380 V–440 V<br>500 V<br>660 V–690 V | kW                         | 5,5<br>7,5<br>7,5<br>7,5 |          |
| Short Circuit Protection                                                             |                                                                                     |                    |                                                    |                            |                          |          |
| Max. fuse size                                                                       |                                                                                     | gG-characteristic  |                                                    |                            | A                        | 35       |
| Rated short-time withstand current                                                   |                                                                                     | (1 s-current)      |                                                    |                            | A                        | 350      |
| For connections with insulated ring and fork type cable terminal - copper wires only |                                                                                     |                    |                                                    |                            |                          |          |
| Single-core or stranded wire                                                         |                                                                                     |                    |                                                    |                            | mm <sup>2</sup>          | 6        |
| Flexible wire                                                                        |                                                                                     |                    |                                                    |                            | mm <sup>2</sup>          | 4        |
| Flexible wire with sleeving in accordance with DIN 46228                             |                                                                                     |                    |                                                    |                            | mm <sup>2</sup>          | 4        |

<sup>1</sup> Valid for lines with grounded common neutral termination, overvoltage category III, Other values on request.

### Miscellaneous

|                                   |                                                                                |                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Minimum Voltage:                  | on request                                                                     |                                                                                              |
| Power loss per contact at $I_U$ : | 0,7 W                                                                          |                                                                                              |
| Resistance to vibration:          | min. 4 g, 2-100 Hz, 1,6 mm                                                     |                                                                                              |
| Resistance to shock:              | min. 5 g, 6 ms                                                                 |                                                                                              |
| Ambient Temperature of Stages :   | open at 100 % $I_U/I_{th}$<br>enclosed at 100 % $I_{the}$                      | 50 °C during 24 hours with peaks up to 55 °C<br>35 °C during 24 hours with peaks up to 40 °C |
| Storage temperature:              | -40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible) |                                                                                              |

### Approvals and Standards

IEC 60947  
EN 60947



### USA / Canada



| Rated Thermal Current $I_U/I_{th}/I_{the}$     |                                                      |                   |                                                                  |     |                    |
|------------------------------------------------|------------------------------------------------------|-------------------|------------------------------------------------------------------|-----|--------------------|
|                                                |                                                      |                   |                                                                  | A   | 25                 |
| Rated Insulation Voltage $U_i$                 |                                                      |                   |                                                                  |     |                    |
|                                                |                                                      |                   |                                                                  | V   | 600                |
| Rated Operational Current $I_e$                |                                                      |                   |                                                                  |     |                    |
| Pilot Duty:                                    |                                                      |                   | Heavy                                                            | VAC | A600               |
| Ampere Rating                                  | Resistive or low inductive loads                     | ON/OFF<br>1-0-2   | 600 V<br>600 V                                                   | A   | 25<br>25           |
| Max. Permissible Wire Gage - copper wires only |                                                      |                   |                                                                  |     |                    |
|                                                | Single-core or stranded wire                         |                   |                                                                  | AWG | 10                 |
|                                                | Flexible wire: AWG wire (without sleeving)           |                   |                                                                  | AWG | 10                 |
| Ratings                                        |                                                      |                   |                                                                  |     |                    |
|                                                | Standard motor load,<br>DOL-Rating<br>(similar AC-3) | 3 phase<br>3 pole | 110 V – 120 V<br>220 V – 240 V<br>440 V – 480 V<br>550 V – 600 V | HP  | 1,5<br>3<br>5<br>5 |

### Miscellaneous

|                                   |                                                                                |                                                                                              |
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| Power loss per contact at $I_U$ : | 0,7 W                                                                          |                                                                                              |
| Resistance to vibration:          | min. 4 g, 2-100 Hz, 1,6 mm                                                     |                                                                                              |
| Resistance to shock:              | min. 5 g, 6 ms                                                                 |                                                                                              |
| Ambient Temperature of Stages :   | open at 100 % $I_U/I_{th}$<br>enclosed at 100 % $I_{the}$                      | 50 °C during 24 hours with peaks up to 55 °C<br>35 °C during 24 hours with peaks up to 40 °C |
| Storage temperature:              | -40 °C to 85 °C (in case of temperature below -5 °C no shock load permissible) |                                                                                              |

### Approvals and Standards

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