



ERC427

**Override Contactor 25A, 2NO+2NC, 230V~50Hz**

**Technical properties**

**Architecture**

|                 |     |
|-----------------|-----|
| Number of poles | 4 P |
|-----------------|-----|

**Configuration**

|                   |   |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

**Main electrical features**

|                              |       |
|------------------------------|-------|
| Rated operational voltage Ue | 400 V |
|------------------------------|-------|

|           |       |
|-----------|-------|
| Frequency | 50 Hz |
|-----------|-------|

**Voltage**

|                          |       |
|--------------------------|-------|
| Rated insulation voltage | 440 V |
|--------------------------|-------|

|                    |     |
|--------------------|-----|
| DC control voltage | 0 V |
|--------------------|-----|

|                    |       |
|--------------------|-------|
| Command voltage AC | 230 V |
|--------------------|-------|

|                                 |      |
|---------------------------------|------|
| Rated impulse withstand voltage | 4 kV |
|---------------------------------|------|

**Electric current**

|               |      |
|---------------|------|
| Rated current | 25 A |
|---------------|------|

|   |      |
|---|------|
| Thermal rated current outside of housings | 25 A |
|---|------|

|   |      |
|---|------|
| Acceptable current load with AC7 category A | 25 A |
|---|------|

|   |       |
|---|-------|
| Acceptable current load with AC7 category B | 8.5 A |
|---|-------|

**Dimensions**

|                            |       |
|----------------------------|-------|
| Depth of installed product | 60 mm |
|----------------------------|-------|

|                             |       |
|-----------------------------|-------|
| Height of installed product | 83 mm |
|-----------------------------|-------|

|                            |          |
|----------------------------|----------|
| Width of installed product | 35.75 mm |
|----------------------------|----------|

**Power**

|                       |       |
|-----------------------|-------|
| Inrush power absorbed | 21 VA |
|-----------------------|-------|

|                       |        |
|-----------------------|--------|
| Operating consumption | 3.4 VA |
|-----------------------|--------|

|                           |       |
|---------------------------|-------|
| Total power loss under IN | 4.5 W |
|---------------------------|-------|

|                        |       |
|------------------------|-------|
| Power loss per contact | 1.5 W |
|------------------------|-------|

|                            |       |
|----------------------------|-------|
| Power dissipation per coil | 1.5 W |
|----------------------------|-------|

|   |        |
|---|--------|
| Contact rating with 230 V in AC7 category A | 4.6 kW |
|---|--------|

|   |       |
|---|-------|
| Contact rating with 230 V in AC7 category B | 880 W |
|---|-------|

|   |         |
|---|---------|
| Contact rating with 400 V in AC7 category A | 13.8 kW |
|---|---------|

|   |        |
|---|--------|
| Contact rating with 400 V in AC7 category B | 2.6 kW |
|---|--------|

**Tripping**

|   |                        |
|---|------------------------|
| Time of response when opening                       | 15 ms                  |
| Time of response when closing                       | 25 ms                  |
| <b>Resistance</b>                                   |                        |
| Winding resistance                                  | 3150 Ω                 |
| <b>Endurance</b>                                    |                        |
| Electric endurance in number of cycles              | 30000                  |
| Number of mechanical operations                     | 1000000                |
| <b>Fluorescent bulbs control</b>                    |                        |
| Max. power with fluorescent parallel lamps          | 810 VA                 |
| Fluorescent lamps in duo circuit                    | 1990 VA                |
| Max. load fluorescent lamp                          | 950 VA                 |
| <b>Incandescent bulbs control</b>                   |                        |
| Max. power with incandescent lamps                  | 1900 W                 |
| <b>Connection</b>                                   |                        |
| Number of contacts                                  | 4                      |
| Connection cross-section of the control cable solid | 1 / 10 mm <sup>2</sup> |
| <b>Equipment</b>                                    |                        |
| Can be accessorized                                 | Yes                    |
| <b>Use</b>  |                        |
| Local operation/hand operation                      | Yes                    |
| <b>Standards</b>                                    |                        |
| European directive WEEE                             | concerned              |
| <b>Safety</b>                                       |                        |
| Protection index IP                                 | IP2X                   |
| Protection class                                    | isol.class II          |
| <b>Use conditions</b>                               |                        |
| Operating temperature                               | -10...50 °C            |
| Storage/transport temperature                       | -40...80 °C            |