



ESD440S

### Humfree Contactor 40A, 4NO, 24V~ 50Hz & 24V DC

#### Technical Features

##### Connection

|                  |     |
|------------------|-----|
| Type of contacts | 4NO |
|------------------|-----|

##### Electric current

|               |      |
|---------------|------|
| Rated current | 40 A |
|---------------|------|

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

##### Frequency

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

##### Voltage

|                                           |             |
|-------------------------------------------|-------------|
| Rated impulse withstand voltage $U_{imp}$ | 4000 V      |
| Rated insulation voltage $U_i$            | 440 V       |
| Rated operational voltage $U_e$           | 400 - 400 V |
| Command voltage AC                        | 24 - 24 V   |
| Command voltage DC                        | 24 - 24 V   |

##### Use conditions

|                       |             |
|-----------------------|-------------|
| Operating temperature | -10 - 50 °C |
|-----------------------|-------------|

##### Use

|                 |             |
|-----------------|-------------|
| Category of use | AC-7a/AC-7b |
|-----------------|-------------|

##### Use conditions

|                               |             |
|-------------------------------|-------------|
| Storage/transport temperature | -40 - 80 °C |
|-------------------------------|-------------|

##### Endurance

|                                 |        |
|---------------------------------|--------|
| Number of mechanical operations | 100000 |
|---------------------------------|--------|

##### Texts

|             |                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Safety hint | Humfree contactors are not suitable for intensive use cases (powered 24/7) and in these cases industrial contactors must be used. |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------|

##### Endurance

|                                        |       |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 30000 |
|----------------------------------------|-------|

##### Power

|                              |         |
|------------------------------|---------|
| Total power loss under $I_N$ | 17.30 W |
| Inrush power absorbed        | 5.20 VA |

##### Dimensions

|        |       |
|--------|-------|
| Height | 85 mm |
| Width  | 54 mm |
| Depth  | 60 mm |

##### Connection

|                    |   |
|--------------------|---|
| Number of contacts | 4 |
|--------------------|---|

##### Equipment

|                               |    |
|-------------------------------|----|
| Number of NO contacts         | 4  |
| Number of NC contacts         | 0  |
| With switch for manual switch | No |

##### Connection

|                                  |                          |
|----------------------------------|--------------------------|
| Cross-section flexible conductor | 1.5 - 16 mm <sup>2</sup> |
| Cross-section rigid conductor    | 1.5 - 25 mm <sup>2</sup> |

Sustainability

RoHS conform

Yes