



ESD125S

**Humfree Contactor 25A, 1NO, 24V~ 50Hz & 24V DC**

**Technical Features**

**Connection**

|                  |     |
|------------------|-----|
| Type of contacts | 1NO |
|------------------|-----|

**Electric current**

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

**Capacity**

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

**Frequency**

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

**Voltage**

|   |             |
|---|-------------|
| Rated impulse withstand voltage $U_{imp}$ | 4000 V      |
| Rated insulation voltage $U_i$            | 250 V       |
| Rated operational voltage $U_e$           | 230 - 230 V |
| Command voltage AC                        | 24 - 24 V   |
| Command voltage DC                        | 0 - 0 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 IN | 3.70 W  |
| Inrush power absorbed     | 2.40 VA |

**Dimensions**

|        |          |
|--------|----------|
| Height | 83 mm    |
| Width  | 17.85 mm |
| Depth  | 60 mm    |

**Equipment**

|                               |    |
|-------------------------------|----|
| Number of NO contacts         | 1  |
| Number of NC contacts         | 0  |
| With switch for manual switch | No |

**Connection**

|                                  |                        |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 1 - 6 mm <sup>2</sup>  |
| Cross-section rigid conductor    | 1 - 10 mm <sup>2</sup> |

**Installation, mounting**

|                           |                |
|---------------------------|----------------|
| Nominal tightening torque | 1.20 - 1.20 Nm |
|---------------------------|----------------|

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**Sustainability**

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RoHS conform

Yes