



Price\* : 3,209.01 GBP



## Main

|                                          |                                                                                                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                    | TeSys                                                                                                                                                              |
| Product name                             | TeSys F                                                                                                                                                            |
| Product or component type                | Magnetic latching contactor                                                                                                                                        |
| Device short name                        | CR1F                                                                                                                                                               |
| Device application                       | Control                                                                                                                                                            |
| Contactor application                    | Resistive load<br>Motor control                                                                                                                                    |
| Utilisation category                     | AC-4<br>AC-3<br>AC-1                                                                                                                                               |
| Poles description                        | 3P                                                                                                                                                                 |
| Power pole contact composition           | 3 NO                                                                                                                                                               |
| [Ue] rated operational voltage           | 1000 V AC 25...200 Hz                                                                                                                                              |
| [Ie] rated operational current           | 630 A (at <40 °C) at ≤ 440 V AC AC-3<br>1000 A (at <40 °C) at ≤ 440 V AC AC-1<br>560 A (at <40 °C) at ≤ 440 V AC AC-4                                              |
| Motor power kW                           | 335 kW at 400 V AC 50/60 Hz (AC-4)                                                                                                                                 |
| Control circuit type                     | AC at 50/60 Hz                                                                                                                                                     |
| [Uc] control circuit voltage             | 380 V AC 50/60 Hz                                                                                                                                                  |
| Irms rated making capacity               | 6740 A                                                                                                                                                             |
| Rated breaking capacity                  | 6300 A at 220...440 V<br>5400 A at 500 V<br>3200 A at 1000 V<br>4600 A at 660/690 V                                                                                |
| [Icw] rated short-time withstand current | 5.05 kA 40 °C - 1 s<br>5.05 kA 40 °C - 5 s<br>5.05 kA 40 °C - 10 s<br>4400 A 40 °C - 30 s<br>3400 A 40 °C - 1 min<br>2200 A 40 °C - 3 min<br>1600 A 40 °C - 10 min |

|                               |                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Associated fuse rating        | 630 A aM at <= 440 V<br>1000 A BS88 at <= 440 V<br>1000 A gG at <= 440 V                                                                     |
| Average impedance             | 0.12 mOhm - lth 1000 A 50 Hz                                                                                                                 |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60158-1<br>1000 V conforming to IEC 60947-4<br>1000 V conforming to BS 775<br>1500 V conforming to VDE 0110 group C |
| Power dissipation per pole    | 48 W AC-3<br>120 W AC-1                                                                                                                      |
| Connections - terminals       | Bars 2 cable(s) - busbar cross section: 60 x 5 mm<br>Power circuit: bolted connection                                                        |
| Tightening torque             | 58 N.m                                                                                                                                       |
| Operating time                | 40...80 ms latching<br>50...100 ms unlatching                                                                                                |
| Mechanical durability         | 1 Mcycles                                                                                                                                    |
| Maximum operating rate        | 120 cyc/h 40 °C                                                                                                                              |

### Complementary

|                                |                                                             |
|--------------------------------|-------------------------------------------------------------|
| Control circuit voltage limits | Latching: 0.85...1.1 Uc<br>Unlatching: 0.85...1.1 Uc        |
| Average consumption            | 8 VA AC 50/60 Hz unlatching<br>2100 VA AC 50/60 Hz latching |

### Environment

|                                       |                |
|---------------------------------------|----------------|
| Protective treatment                  | TC             |
| Ambient air temperature for operation | -15...70 °C    |
| Ambient air temperature for storage   | -60...80 °C    |
| Operating altitude                    | 3000 m without |
| Height                                | 304 mm         |
| Width                                 | 309 mm         |
| Depth                                 | 255 mm         |
| Product weight                        | 18.6 kg        |

### Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                 |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                      |
| Mercury free               | Yes                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                         |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                               |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|