

# Product datasheet

Specifications



## TeSys F - contactor coil - LX1FK - 265...277 V AC 40...400 Hz

LX1FK280

⚠ Discontinued on: 24 Aug 2020

⚠ Discontinued

### Main

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| Range                        | TeSys                                                 |
| Product or component type    | Contactor coil                                        |
| Device short name            | LX1FK                                                 |
| Range compatibility          | TeSys TeSys F LC1F contactor                          |
| Product compatibility        | LC1F500                                               |
| Control circuit type         | AC at 40...400 Hz                                     |
| [Uc] control circuit voltage | 265...277 V AC 40...400 Hz                            |
| Inductance of closed circuit | 7.3 H                                                 |
| Average resistance           | 56.5 Ohm inrush at 20 °C<br>1490 Ohm holding at 20 °C |
| Operating time               | 100...170 ms opening<br>40...75 ms closing            |
| Mechanical durability        | 10 Mcycles                                            |
| Maximum operating rate       | 2400 cyc/h 55 °C                                      |

### Complementary

|                                 |                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------|
| Coil technology                 | Without built-in suppressor module                                                                 |
| Control circuit voltage limits  | Operational: 0.85...1.1 Uc 40...400 Hz (at 55 °C)<br>Drop-out: 0.3...0.5 Uc 40...400 Hz (at 55 °C) |
| Inrush power in VA              | 1100 VA 40...400 Hz cos phi 0.9 (at 20 °C)                                                         |
| Hold-in power consumption in VA | 18 VA 40...400 Hz cos phi 0.3 (at 20 °C)                                                           |
| Heat dissipation                | 18 W at 40...400 Hz                                                                                |

### Environment

|                                       |            |
|---------------------------------------|------------|
| Ambient air temperature for operation | -5...55 °C |
| Net weight                            | 1.15 kg    |

### Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 9.2 cm |
| Package 1 Width              | 10 cm  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                  |         |
|------------------|---------|
| Package 1 Length | 18.6 cm |
| Package 1 Weight | 1.15 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

| Materials and Substances |                           |
|--------------------------|---------------------------|
| EU RoHS Directive        | <a href="#">Compliant</a> |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |