**Product data sheet**

**LRD22**

TeSys LRD, thermal overload relay, 16 to 24 A, class 10A

Product availability: Stock - Normally stocked in distribution facility

Price*: 62.00 USD

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**Main**

<table>
<thead>
<tr>
<th>Range</th>
<th>TeSys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>TeSys LRD</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Differential thermal overload relay</td>
</tr>
<tr>
<td>Device short name</td>
<td>LRD</td>
</tr>
<tr>
<td>Relay application</td>
<td>Motor protection</td>
</tr>
<tr>
<td>Product compatibility</td>
<td>LC1D25, LC1D32, LC1D38</td>
</tr>
<tr>
<td>Network type</td>
<td>AC, DC</td>
</tr>
<tr>
<td>Thermal protection adjustment range</td>
<td>16...24 A</td>
</tr>
<tr>
<td>[Ui] rated insulation voltage</td>
<td>600 V power circuit conforming to CSA, 600 V power circuit conforming to UL, 690 V power circuit conforming to IEC 60947-4-1</td>
</tr>
</tbody>
</table>

**Complementary**

| Network frequency | 0...400 Hz |
| Mounting support | Plate with specific accessories, Rail with specific accessories, Under contactor |
| Tripping threshold | 1.14 +/- 0.06 Ir conforming to IEC 60947-4-1 |
| [Ith] conventional free air thermal current | 5 A for signalling circuit |
| Permissible current | 1.5 A at 240 V AC-15 for signalling circuit, 0.1 A at 250 V DC-13 for signalling circuit |
| System Voltage | 690 V AC 0...400 Hz |
| [Uimp] rated impulse withstand voltage | 6 kV |
| Phase failure sensitivity | Tripping current 130 % of Ir on two phase, the last one at 0 |
| Control type | Red push-button stop |

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

Jun 24, 2019
**Temperature compensation**  
-4...140 °F (-20...60 °C)

**Connections - terminals**  
Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² flexible without cable end  
Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² flexible with cable end  
Power circuit : screw clamp terminals 1 cable(s) 1.5...10 mm² flexible without cable end  
Power circuit : screw clamp terminals 1 cable(s) 1.5...10 mm² solid without cable end  

**Tightening torque**  
Control circuit : 1.7 N.m on screw clamp terminals  
Power circuit : 2.5 N.m on screw clamp terminals  

**Width**  
1.77 in (45 mm)

**Depth**  
2.76 in (70 mm)

**Product weight**  
0.27 lb(US) (0.124 kg)

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**Environment**

**Protective treatment**  
TH conforming to IEC 60068

**IP degree of protection**  
IP20 conforming to IEC 60529

**Ambient air temperature for operation**  
-4...140 °F (-20...60 °C) without derating conforming to IEC 60947-4-1

**Ambient air temperature for storage**  
-76...158 °F (-60...70 °C)

**Flame retardance**  
V1 conforming to UL 94

**Mechanical robustness**  
Vibrations 6 Gn IEC 60068-2-6  
Shocks 15 Gn for 11 ms IEC 60068-2-7

**Dielectric strength**  
6 kV at 50 Hz conforming to IEC 60255-5

**Standards**  
ATEX D 94/9/CE  
EN 60947-4-1  
EN 60947-5-1  
IEC 60947-4-1  
IEC 60947-5-1  
UL 508  
CSA C22.2 No 14

**Product certifications**  
ATEX INERIS  
BV  
CCC  
CSA  
DNV  
GL  
GOST  
LROS (Lloyds register of shipping)  
RINA  
UL

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**Ordering and shipping details**

**Category**  
22347 - CONTACTOR,D-LINE,OVERLOADS-NEW

**Discount Schedule**  
I12

**GTIN**  
00785901206804

**Nbr. of units in pkg.**  
1

**Package weight(Lbs)**  
0.3300000000000002

**Returnability**  
Y

**Country of origin**  
FR

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**Offer Sustainability**

**Sustainable offer status**  
Green Premium product

**RoHS (date code: YYWW)**  
Compliant

**REACH**  
Reference not containing SVHC above the threshold

**Product environmental profile**  
Available

**Product end of life instructions**  
Available
California proposition 65  |  WARNING: This product can expose you to chemicals including:
- Substance 1  |  Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.
- More information  |  For more information go to www.p65warnings.ca.gov

**Contractual warranty**

| Warranty period | 18 months |