

|               |                        |                                                                                                  |
|---------------|------------------------|--------------------------------------------------------------------------------------------------|
| Product Ident | Line-Reactor Datasheet | <b>BLOCK</b>  |
| LR3 48-3/90   |                        |                                                                                                  |

## Identification

|                  |                    |                 |                        |
|------------------|--------------------|-----------------|------------------------|
| Type Designation | <b>LR3 48-3/90</b> | Type of reactor | <b>3~ Line Reactor</b> |
| Series           | <b>LR3</b>         | Core Rating     | <b>2244.42 var</b>     |
| Core type        | <b>3UI 105/45</b>  | Drive HP        | <b>60 - 75</b>         |

## Technical Data

|                        |        |                  |
|------------------------|--------|------------------|
| No. of phase           |        | <b>3</b>         |
| Circuit type           |        | <b>III0</b>      |
| Rated Voltage          | [ V ]  | <b>480</b>       |
| Rated current          | [ A ]  | <b>90.0</b>      |
| Rated Frequency        | [ Hz ] | <b>50 - 60</b>   |
| Impedance              | [ % ]  | <b>3.0</b>       |
| Inductance L           | [ mH ] | <b>0.245</b>     |
| L tolerance            | [ % ]  | <b>±10%</b>      |
| Linearity              |        | <b>150% In</b>   |
| Losses (typical)       | [ W ]  | <b>161.70</b>    |
| Test voltage           | [ kV ] | <b>4.0</b>       |
| Isolation System Class |        | <b>class 155</b> |

## Operating conditions

|                      |        |                      |
|----------------------|--------|----------------------|
| Ambient temperature  | [ °C ] | <b>-10 ... +40°C</b> |
| Ambient temperature  | [ F ]  | <b>14 ... 104°F</b>  |
| Type of cooling      |        | <b>AN</b>            |
| Operating conditions |        | <b>24/7</b>          |

## Standards

|                                                             |                                                                                     |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Type:                                                       | Signs                                                                               |
| VDE 0570 / EN 61 558 Part 1<br>VDE 0570 / EN 61 558 Part 20 |  |

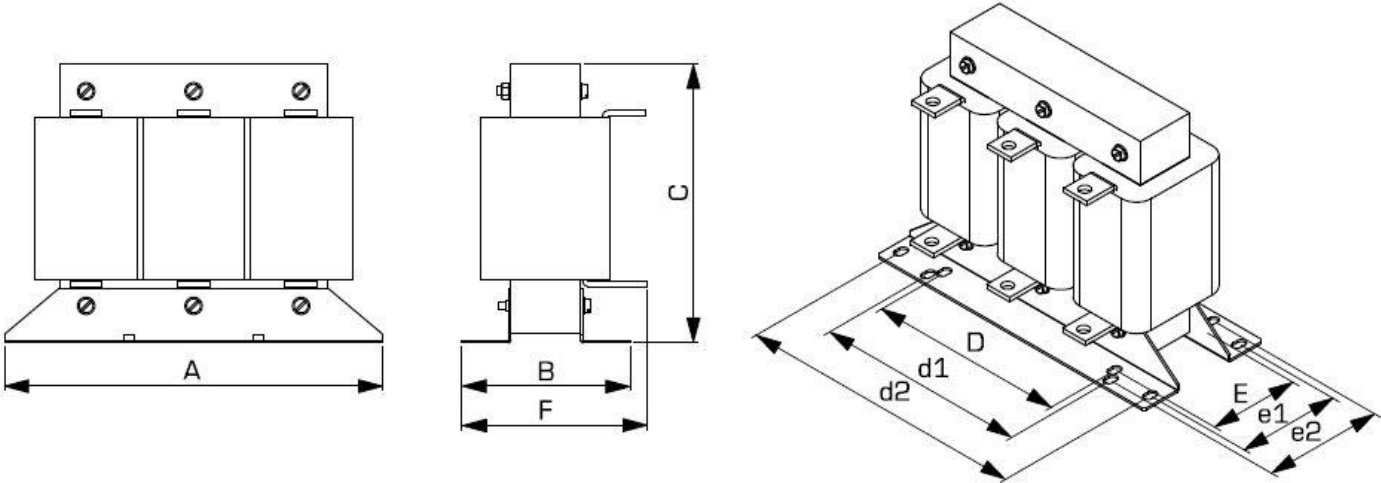
## Approvals

|           |                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------|
| UL 508    |  E219022 NMTR |
| UL 5085-1 |  E103521 XPTQ |

|                |          |                                        |           |        |
|----------------|----------|----------------------------------------|-----------|--------|
| Original Date: | 15/04/20 | Observe protection clause to ISO 16016 | Index     | 0      |
| Name:          | Lüning   |                                        | Doc. type |        |
| Date:          | 15/05/06 |                                        |           |        |
| Checked:       | Wesner   |                                        | Pages     | 1 of 2 |

Variations may apply due to material's and production's tolerances. Objected to modifications without notice.

**Dimensions / Mounting in Inches**



| A    | B    | C*   | F | D    | d1   | d2 | E    | e1   | e2 | Drill |
|------|------|------|---|------|------|----|------|------|----|-------|
| 8.27 | 5.04 | 7.09 | - | 6.89 | 0.00 | -  | 0.12 | 0.00 | -  | 0.35  |
|      |      |      |   |      |      |    |      |      |    | 0.00  |
|      |      |      |   |      |      |    |      |      |    | -     |

\* = Typical variable air gab

**Weight**

|        |         |       |
|--------|---------|-------|
| Weight | [ kg ]  | 13.10 |
|        | [ lbs ] | 28.89 |

**Notes**

Technical specifications in the drawing are not binding. General tolerance to DIN 7168-m. Subject to change.  
Mounting plates also available in stainless steel as OEM application. Ask for details.