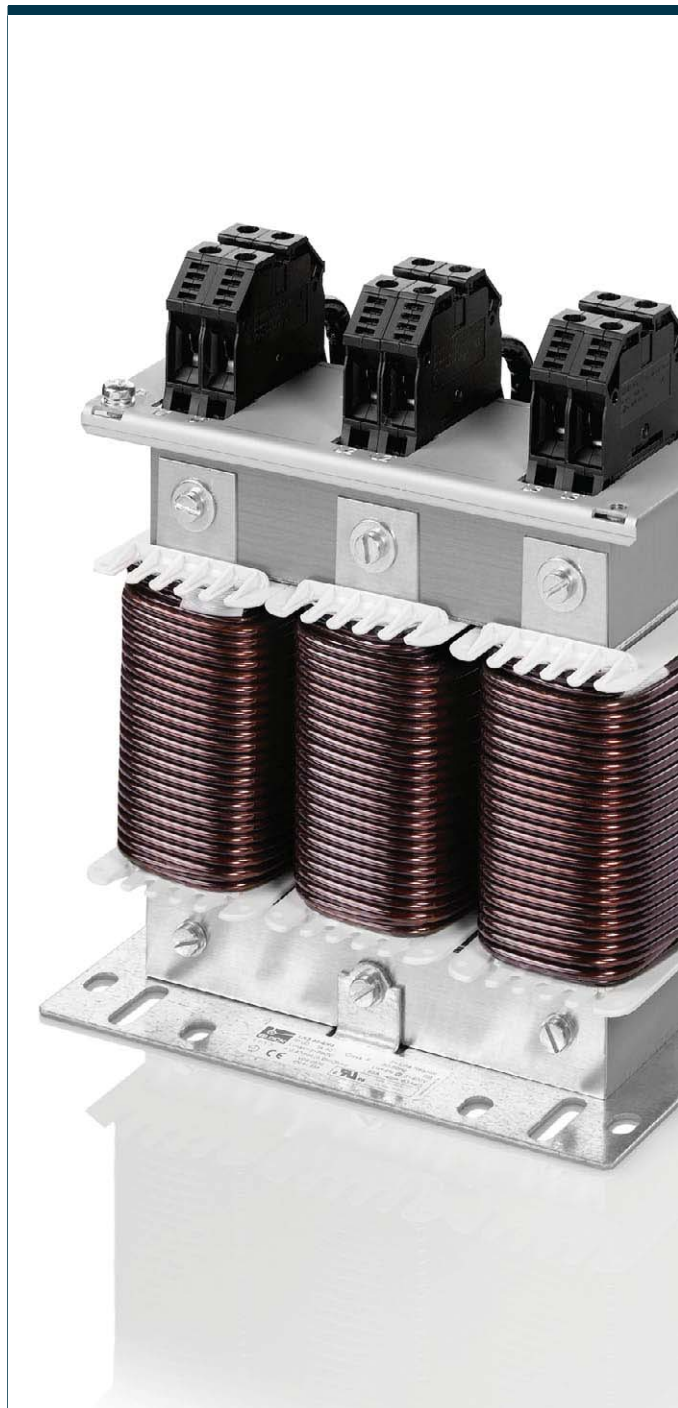


## Line reactor, three-phase **LR3 400**



### General Data

|                                      |
|--------------------------------------|
| Rated voltage 3 x 400 Vac            |
| Short-circuit voltage (uK) 3 - 5 %   |
| Rated current 3 x 2 - 3 x 1600 A     |
| Inductance 0.019 - 14.700 mH         |
| Insulation class B, F or H           |
| Ambient temperature -10 °C to +40 °C |
| Degree of protection IP 00           |

### Advantages

|                                                                            |
|----------------------------------------------------------------------------|
| Use as line reactor, commutating reactor or PFC reactor                    |
| Ensuring the short-circuit voltage of 3, 4 or 5 % to the mains             |
| Power harmonic damping                                                     |
| Starting current limitation                                                |
| Increases the service life of consumers                                    |
| Low ripple                                                                 |
| Bridging voltage dips                                                      |
| Peak current limitation                                                    |
| Very good corrosion protection and low noise thanks to vacuum impregnation |
| Integrated lifting rings                                                   |
| Multifunctional fixing rails                                               |

### Applications

Line reactor to minimise mains pollution, to reduce the reactive-power components and charging currents in the DC link capacitor and to improve the cos(phi).

### Standards

Line- and commutation reactor to  
DIN EN 61558-2-20, IEC 61558-2-20, UL 506, CSA 22.2

### Approvals



UL 506, CSA 22.2



### Line reactor, three-phase

## LR3 400

| Electrical data | Typ                      | LR3 40-3/2          | LR3 40-4/2          | LR3 40-5/2          | LR3 40-3/4          | LR3 40-4/4          | LR3 40-5/4          |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac @ 400 Vac   | 11.6 Vac @ 400 Vac  | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 2 A             | 3 x 2 A             | 3 x 2 A             | 3 x 4 A             | 3 x 4 A             | 3 x 4 A             |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 11.000 mH           | 14.700 mH           | 18.500 mH           | 5.500 mH            | 7.350 mH            | 9.200 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=B, UL=class 130 | IEC=B, UL=class 130 | IEC=B, UL=class 130 | IEC=B, UL=class 130 | IEC=B, UL=class 130 | IEC=B, UL=class 130 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/2          | LR3 40-4/2          | LR3 40-5/2          | LR3 40-3/4          | LR3 40-4/4          | LR3 40-5/4          |

| Electrical data | Typ                      | LR3 40-3/6          | LR3 40-4/6          | LR3 40-5/6          | LR3 40-3/8          | LR3 40-4/8          | LR3 40-5/8          |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 6 A             | 3 x 6 A             | 3 x 6 A             | 3 x 8 A             | 3 x 8 A             | 3 x 8 A             |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 3.700 mH            | 4.900 mH            | 6.200 mH            | 2.750 mH            | 3.680 mH            | 4.600 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=B, UL=class 130 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/6          | LR3 40-4/6          | LR3 40-5/6          | LR3 40-3/8          | LR3 40-4/8          | LR3 40-5/8          |



### Line reactor, three-phase

## LR3 400

| Electrical data | Typ                      | LR3 40-3/10         | LR3 40-4/10         | LR3 40-5/10         | LR3 40-3/16         | LR3 40-4/16         | LR3 40-5/16         |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 10 A            | 3 x 10 A            | 3 x 10 A            | 3 x 16 A            | 3 x 16 A            | 3 x 16 A            |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 2.200 mH            | 2.940 mH            | 3.680 mH            | 1.380 mH            | 1.840 mH            | 2.300 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/10         | LR3 40-4/10         | LR3 40-5/10         | LR3 40-3/16         | LR3 40-4/16         | LR3 40-5/16         |

| Electrical data | Typ                      | LR3 40-3/20         | LR3 40-4/20         | LR3 40-5/20         | LR3 40-3/25         | LR3 40-4/25         | LR3 40-5/25         |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 20 A            | 3 x 20 A            | 3 x 20 A            | 3 x 25 A            | 3 x 25 A            | 3 x 25 A            |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 1.100 mH            | 1.470 mH            | 1.840 mH            | 0.880 mH            | 1.180 mH            | 1.470 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/20         | LR3 40-4/20         | LR3 40-5/20         | LR3 40-3/25         | LR3 40-4/25         | LR3 40-5/25         |



### Line reactor, three-phase

## LR3 400

| Electrical data | Typ                      | LR3 40-3/30         | LR3 40-4/30         | LR3 40-5/30         | LR3 40-3/35         | LR3 40-4/35         | LR3 40-5/35         |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 30 A            | 3 x 30 A            | 3 x 30 A            | 3 x 35 A            | 3 x 35 A            | 3 x 35 A            |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.740 mH            | 0.980 mH            | 1.230 mH            | 0.630 mH            | 0.840 mH            | 1.050 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/30         | LR3 40-4/30         | LR3 40-5/30         | LR3 40-3/35         | LR3 40-4/35         | LR3 40-5/35         |

| Electrical data | Typ                      | LR3 40-3/40         | LR3 40-4/40         | LR3 40-5/40         | LR3 40-3/45         | LR3 40-4/45         | LR3 40-5/45         |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 40 A            | 3 x 40 A            | 3 x 40 A            | 3 x 45 A            | 3 x 45 A            | 3 x 45 A            |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.550 mH            | 0.740 mH            | 0.920 mH            | 0.490 mH            | 0.650 mH            | 0.817 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/40         | LR3 40-4/40         | LR3 40-5/40         | LR3 40-3/45         | LR3 40-4/45         | LR3 40-5/45         |



### Line reactor, three-phase

## LR3 400

|                         |                          |                     |                     |                     |                     |                     |               |
|-------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|
| Electrical data         | Typ                      | LR3 40-3/50         | LR3 40-4/50         | LR3 40-5/50         | LR3 40-3/63         | LR3 40-4/63         | LR3 40-5/63   |
|                         | Operating data           |                     |                     |                     |                     |                     |               |
|                         | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac   |
|                         | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac   |
|                         | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac   |
|                         | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac |
|                         | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac      |
|                         | Rated current            | 3 x 50 A            | 3 x 50 A            | 3 x 50 A            | 3 x 63 A            | 3 x 63 A            | 3 x 63 A      |
|                         | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz    |
|                         | Inductance               | 0.440 mH            | 0.590 mH            | 0.735 mH            | 0.350 mH            | 0.470 mH            | 0.584 mH      |
|                         | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%          |
|                         | Approvals                |                     |                     |                     |                     |                     |               |
| Approvals               | cURus                    | cURus               | cURus               | cURus               | cURus               | cURus               |               |
| Environment             |                          |                     |                     |                     |                     |                     |               |
| Ambient temperature     | -10 °C to +40 °C         | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |               |
| Type of cooling         | AN                       | AN                  | AN                  | AN                  | AN                  | AN                  |               |
| Safety and protection   |                          |                     |                     |                     |                     |                     |               |
| Type                    | Open type                | Open type           | Open type           | Open type           | Open type           | Open type           |               |
| Insulation class        | IEC=F, UL=class 155      | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |               |
| Protection index        | IP 00                    | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |               |
| Safety class (prepared) | I                        | I                   | I                   | I                   | I                   | I                   |               |
| Test voltage            | 4000 Vac                 | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |               |
| Order numbers           |                          |                     |                     |                     |                     |                     |               |
| Order Number            | LR3 40-3/50              | LR3 40-4/50         | LR3 40-5/50         | LR3 40-3/63         | LR3 40-4/63         | LR3 40-5/63         |               |

| Electrical data         | Typ                      | LR3 40-3/70         | LR3 40-4/70         | LR3 40-5/70         | LR3 40-3/80         | LR3 40-4/80         | LR3 40-5/80   |
|-------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|
|                         | Operating data           |                     |                     |                     |                     |                     |               |
|                         | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac   |
|                         | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac   |
|                         | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac   |
|                         | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac |
|                         | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac      |
|                         | Rated current            | 3 x 70 A            | 3 x 70 A            | 3 x 70 A            | 3 x 80 A            | 3 x 80 A            | 3 x 80 A      |
|                         | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz    |
|                         | Inductance               | 0.315 mH            | 0.420 mH            | 0.525 mH            | 0.270 mH            | 0.370 mH            | 0.460 mH      |
| Inductance deviation    | ±10%                     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |               |
| Approvals               |                          |                     |                     |                     |                     |                     |               |
| Approvals               | cURus                    | cURus               | cURus               | cURus               | cURus               | cURus               |               |
| Environment             |                          |                     |                     |                     |                     |                     |               |
| Ambient temperature     | -10 °C to +40 °C         | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |               |
| Type of cooling         | AN                       | AN                  | AN                  | AN                  | AN                  | AN                  |               |
| Safety and protection   |                          |                     |                     |                     |                     |                     |               |
| Type                    | Open type                | Open type           | Open type           | Open type           | Open type           | Open type           |               |
| Insulation class        | IEC=F, UL=class 155      | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |               |
| Protection index        | IP 00                    | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |               |
| Safety class (prepared) | I                        | I                   | I                   | I                   | I                   | I                   |               |
| Test voltage            | 4000 Vac                 | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |               |
| Order numbers           |                          |                     |                     |                     |                     |                     |               |
| Order Number            | LR3 40-3/70              | LR3 40-4/70         | LR3 40-5/70         | LR3 40-3/80         | LR3 40-4/80         | LR3 40-5/80         |               |



### Line reactor, three-phase

## LR3 400

| Electrical data | Typ                      | LR3 40-3/90         | LR3 40-4/90         | LR3 40-5/90         | LR3 40-3/100        | LR3 40-4/100        | LR3 40-5/100        |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 90 A            | 3 x 90 A            | 3 x 90 A            | 3 x 100 A           | 3 x 100 A           | 3 x 100 A           |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.245 mH            | 0.330 mH            | 0.408 mH            | 0.220 mH            | 0.300 mH            | 0.368 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/90         | LR3 40-4/90         | LR3 40-5/90         | LR3 40-3/100        | LR3 40-4/100        | LR3 40-5/100        |

| Electrical data | Typ                      | LR3 40-3/115        | LR3 40-4/115        | LR3 40-5/115        | LR3 40-3/125        | LR3 40-4/125        | LR3 40-5/125        |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 115 A           | 3 x 115 A           | 3 x 115 A           | 3 x 125 A           | 3 x 125 A           | 3 x 125 A           |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.193 mH            | 0.260 mH            | 0.320 mH            | 0.177 mH            | 0.240 mH            | 0.294 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=H, UL=class 180 | IEC=H, UL=class 180 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/115        | LR3 40-4/115        | LR3 40-5/115        | LR3 40-3/125        | LR3 40-4/125        | LR3 40-5/125        |



### Line reactor, three-phase

## LR3 400

| Electrical data         | Typ                      | LR3 40-3/160        | LR3 40-4/160        | LR3 40-5/160        | LR3 40-3/180        | LR3 40-4/180        | LR3 40-5/180  |
|-------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|
|                         | Operating data           |                     |                     |                     |                     |                     |               |
|                         | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac   |
|                         | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac   |
|                         | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac   |
|                         | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac |
|                         | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac      |
|                         | Rated current            | 3 x 160 A           | 3 x 160 A           | 3 x 160 A           | 3 x 180 A           | 3 x 180 A           | 3 x 180 A     |
|                         | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz    |
|                         | Inductance               | 0.138 mH            | 0.190 mH            | 0.230 mH            | 0.123 mH            | 0.170 mH            | 0.204 mH      |
| Inductance deviation    | ±10%                     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |               |
| Approvals               |                          |                     |                     |                     |                     |                     |               |
| Approvals               | cURus                    | cURus               | cURus               | cURus               | cURus               | cURus               |               |
| Environment             |                          |                     |                     |                     |                     |                     |               |
| Ambient temperature     | -10 °C to +40 °C         | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |               |
| Type of cooling         | AN                       | AN                  | AN                  | AN                  | AN                  | AN                  |               |
| Safety and protection   |                          |                     |                     |                     |                     |                     |               |
| Type                    | Open type                | Open type           | Open type           | Open type           | Open type           | Open type           |               |
| Insulation class        | IEC=H, UL=class 180      | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 |               |
| Protection index        | IP 00                    | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |               |
| Safety class (prepared) | I                        | I                   | I                   | I                   | I                   | I                   |               |
| Test voltage            | 4000 Vac                 | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |               |
| Order numbers           |                          |                     |                     |                     |                     |                     |               |
| Order Number            | LR3 40-3/160             | LR3 40-4/160        | LR3 40-5/160        | LR3 40-3/180        | LR3 40-4/180        | LR3 40-5/180        |               |

| Electrical data         | Typ                      | LR3 40-3/200        | LR3 40-4/200        | LR3 40-5/200        | LR3 40-3/250        | LR3 40-4/250        | LR3 40-5/250  |
|-------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------|
|                         | Operating data           |                     |                     |                     |                     |                     |               |
|                         | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac   |
|                         | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac   |
|                         | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac   |
|                         | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac |
|                         | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac      |
|                         | Rated current            | 3 x 200 A           | 3 x 200 A           | 3 x 200 A           | 3 x 250 A           | 3 x 250 A           | 3 x 250 A     |
|                         | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz    |
|                         | Inductance               | 0.110 mH            | 0.150 mH            | 0.184 mH            | 0.088 mH            | 0.120 mH            | 0.147 mH      |
| Inductance deviation    | ±10%                     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |               |
| Approvals               |                          |                     |                     |                     |                     |                     |               |
| Approvals               | cURus                    | cURus               | cURus               | cURus               | cURus               | cURus               |               |
| Environment             |                          |                     |                     |                     |                     |                     |               |
| Ambient temperature     | -10 °C to +40 °C         | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |               |
| Type of cooling         | AN                       | AN                  | AN                  | AN                  | AN                  | AN                  |               |
| Safety and protection   |                          |                     |                     |                     |                     |                     |               |
| Type                    | Open type                | Open type           | Open type           | Open type           | Open type           | Open type           |               |
| Insulation class        | IEC=H, UL=class 180      | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |               |
| Protection index        | IP 00                    | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |               |
| Safety class (prepared) | I                        | I                   | I                   | I                   | I                   | I                   |               |
| Test voltage            | 4000 Vac                 | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |               |
| Order numbers           |                          |                     |                     |                     |                     |                     |               |
| Order Number            | LR3 40-3/200             | LR3 40-4/200        | LR3 40-5/200        | LR3 40-3/250        | LR3 40-4/250        | LR3 40-5/250        |               |



### Line reactor, three-phase

## LR3 400

| Electrical data | Typ                      | LR3 40-3/300        | LR3 40-4/300        | LR3 40-5/300        | LR3 40-3/400        | LR3 40-4/400        | LR3 40-5/400        |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 300 A           | 3 x 300 A           | 3 x 300 A           | 3 x 400 A           | 3 x 400 A           | 3 x 400 A           |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.074 mH            | 0.098 mH            | 0.123 mH            | 0.055 mH            | 0.074 mH            | 0.092 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=H, UL=class 180 | IEC=F, UL=class 155 | IEC=H, UL=class 180 | IEC=F, UL=class 155 | IEC=F, UL=class 155 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/300        | LR3 40-4/300        | LR3 40-5/300        | LR3 40-3/400        | LR3 40-4/400        | LR3 40-5/400        |

| Electrical data | Typ                      | LR3 40-3/500        | LR3 40-4/500        | LR3 40-5/500        | LR3 40-3/630        | LR3 40-4/630        | LR3 40-5/630        |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 500 A           | 3 x 500 A           | 3 x 500 A           | 3 x 630 A           | 3 x 630 A           | 3 x 630 A           |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.044 mH            | 0.059 mH            | 0.074 mH            | 0.035 mH            | 0.047 mH            | 0.059 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=F, UL=class 155 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/500        | LR3 40-4/500        | LR3 40-5/500        | LR3 40-3/630        | LR3 40-4/630        | LR3 40-5/630        |





### Line reactor, three-phase

## LR3 400

| Electrical data | Typ                      | LR3 40-3/710        | LR3 40-4/710        | LR3 40-5/710        | LR3 40-3/800        | LR3 40-4/800        | LR3 40-5/800        |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 710 A           | 3 x 710 A           | 3 x 710 A           | 3 x 800 A           | 3 x 800 A           | 3 x 800 A           |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.031 mH            | 0.042 mH            | 0.052 mH            | 0.028 mH            | 0.037 mH            | 0.046 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/710        | LR3 40-4/710        | LR3 40-5/710        | LR3 40-3/800        | LR3 40-4/800        | LR3 40-5/800        |

| Electrical data | Typ                      | LR3 40-3/1000       | LR3 40-4/1000       | LR3 40-5/1000       | LR3 40-3/1200       | LR3 40-4/1200       | LR3 40-5/1200       |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 1000 A          | 3 x 1000 A          | 3 x 1000 A          | 3 x 1200 A          | 3 x 1200 A          | 3 x 1200 A          |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.022 mH            | 0.030 mH            | 0.037 mH            | 0.018 mH            | 0.025 mH            | 0.031 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/1000       | LR3 40-4/1000       | LR3 40-5/1000       | LR3 40-3/1200       | LR3 40-4/1200       | LR3 40-5/1200       |



### Line reactor, three-phase

## LR3 400

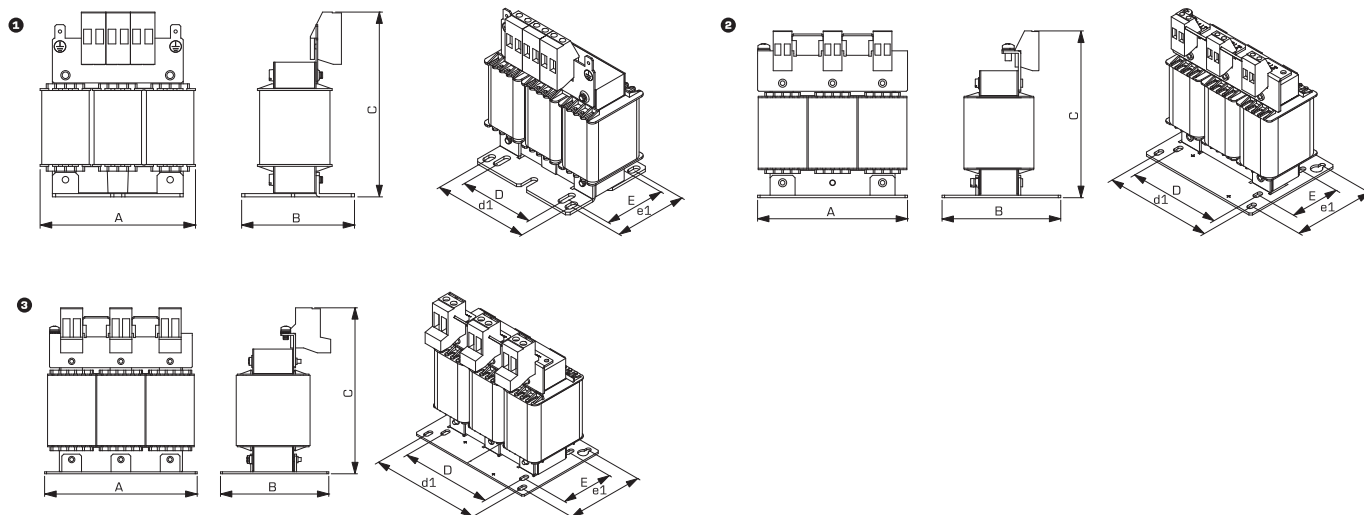
| Electrical data | Typ                      | LR3 40-3/1400       | LR3 40-4/1400       | LR3 40-5/1400       | LR3 40-3/1600       | LR3 40-4/1600       | LR3 40-5/1600       |
|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                 | Operating data           |                     |                     |                     |                     |                     |                     |
|                 | Rated voltage            | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         | 3 x 400 Vac         |
|                 | Rated voltage (IEC)      | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         | 3 x 690 Vac         |
|                 | Rated voltage (UL)       | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         | 3 x 600 Vac         |
|                 | Short circuit voltage uK | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       | 3 % @ 400 Vac       | 4 % @ 400 Vac       | 5 % @ 400 Vac       |
|                 | Voltage drop             | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            | 6.9 Vac             | 9.2 Vac             | 11.6 Vac            |
|                 | Rated current            | 3 x 1400 A          | 3 x 1400 A          | 3 x 1400 A          | 3 x 1600 A          | 3 x 1600 A          | 3 x 1600 A          |
|                 | Rated frequency          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          | 50 - 60 Hz          |
|                 | Inductance               | 0.016 mH            | 0.021 mH            | 0.026 mH            | 0.014 mH            | 0.019 mH            | 0.023 mH            |
|                 | Inductance deviation     | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                | ±10%                |
|                 | Approvals                | cURus               | cURus               | cURus               | cURus               | cURus               | cURus               |
|                 | Environment              |                     |                     |                     |                     |                     |                     |
|                 | Ambient temperature      | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    | -10 °C to +40 °C    |
|                 | Type of cooling          | AN                  | AN                  | AN                  | AN                  | AN                  | AN                  |
|                 | Safety and protection    |                     |                     |                     |                     |                     |                     |
|                 | Type                     | Open type           | Open type           | Open type           | Open type           | Open type           | Open type           |
|                 | Insulation class         | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 | IEC=H, UL=class 180 |
|                 | Protection index         | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               | IP 00               |
|                 | Safety class (prepared)  | I                   | I                   | I                   | I                   | I                   | I                   |
|                 | Test voltage             | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            | 4000 Vac            |
|                 | Order numbers            |                     |                     |                     |                     |                     |                     |
|                 | Order Number             | LR3 40-3/1400       | LR3 40-4/1400       | LR3 40-5/1400       | LR3 40-3/1600       | LR3 40-4/1600       | LR3 40-5/1600       |



### Line reactor, three-phase LR3 400

| Typ         | Terminals phase                 | Terminals PE                | Fixing method | Fixing screws | Weight  | Dimension picture (in mm) |     |     |     |     |     |    |    |    |    |   |  |  |  |
|-------------|---------------------------------|-----------------------------|---------------|---------------|---------|---------------------------|-----|-----|-----|-----|-----|----|----|----|----|---|--|--|--|
|             |                                 |                             |               |               |         |                           | A   | B   | C   | D   | d1  | d2 | E  | e1 | e2 | F |  |  |  |
| LR3 40-3/2  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 0.53 kg | 1                         | 74  | 56  | 116 | 50  | 65  | -  | 35 | 40 | -  | - |  |  |  |
| LR3 40-4/2  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 0.53 kg | 1                         | 74  | 56  | 116 | 50  | 65  | -  | 27 | 35 | -  | - |  |  |  |
| LR3 40-5/2  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 0.53 kg | 1                         | 74  | 56  | 100 | 50  | 65  | -  | 35 | 40 | -  | - |  |  |  |
| LR3 40-3/4  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 0.72 kg | 1                         | 74  | 63  | 98  | 50  | 65  | -  | 42 | 47 | -  | - |  |  |  |
| LR3 40-4/4  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 1.31 kg | 1                         | 80  | 60  | 116 | 56  | 71  | -  | 38 | 45 | -  | - |  |  |  |
| LR3 40-5/4  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 1.31 kg | 1                         | 80  | 60  | 114 | 56  | 71  | -  | 38 | 45 | -  | - |  |  |  |
| LR3 40-3/6  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 0.94 kg | 1                         | 80  | 60  | 116 | 56  | 71  | -  | 38 | 45 | -  | - |  |  |  |
| LR3 40-4/6  | Screw clamp, 4 mm <sup>2</sup>  | Tab connector, 6.3 x 0.8 mm | Fixing rail   | M4            | 1.45 kg | 1                         | 80  | 69  | 117 | 56  | 71  | -  | 47 | 54 | -  | - |  |  |  |
| LR3 40-5/6  | Screw clamp, 4 mm <sup>2</sup>  | for M4                      | Fixing rail   | M4            | 1.39 kg | 1                         | 80  | 69  | 117 | 56  | 71  | -  | 47 | 54 | -  | - |  |  |  |
| LR3 40-3/8  | Screw clamp, 4 mm <sup>2</sup>  | for M4                      | Fixing rail   | M4            | 1.45 kg | 1                         | 80  | 69  | 117 | 56  | 71  | -  | 47 | 54 | -  | - |  |  |  |
| LR3 40-4/8  | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M4            | 1.90 kg | 2                         | 120 | 85  | 135 | 90  | 105 | -  | 39 | 70 | -  | - |  |  |  |
| LR3 40-5/8  | Screw clamp, 4 mm <sup>2</sup>  | for M4                      | Fixing rail   | M4            | 2.00 kg | 2                         | 120 | 85  | 136 | 90  | 105 | -  | 39 | 70 | -  | - |  |  |  |
| LR3 40-3/10 | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M4            | 2.00 kg | 2                         | 120 | 85  | 135 | 90  | 105 | -  | 39 | 70 | -  | - |  |  |  |
| LR3 40-4/10 | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M4            | 2.00 kg | 2                         | 120 | 85  | 135 | 90  | 105 | -  | 39 | 70 | -  | - |  |  |  |
| LR3 40-5/10 | Screw clamp, 4 mm <sup>2</sup>  | for M4                      | Fixing rail   | M4            | 2.70 kg | 2                         | 120 | 95  | 138 | 90  | 105 | -  | 49 | 80 | -  | - |  |  |  |
| LR3 40-3/16 | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M4            | 2.70 kg | 2                         | 120 | 95  | 135 | 90  | 105 | -  | 49 | 80 | -  | - |  |  |  |
| LR3 40-4/16 | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M4            | 2.70 kg | 2                         | 120 | 95  | 135 | 90  | 105 | -  | 49 | 80 | -  | - |  |  |  |
| LR3 40-5/16 | Screw clamp, 4 mm <sup>2</sup>  | for M4                      | Fixing rail   | M5            | 3.80 kg | 2                         | 155 | 95  | 163 | 113 | 135 | -  | 50 | 80 | -  | - |  |  |  |
| LR3 40-3/20 | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M5            | 3.54 kg | 2                         | 155 | 95  | 162 | 113 | 135 | -  | 50 | 80 | -  | - |  |  |  |
| LR3 40-4/20 | Screw clamp, 4 mm <sup>2</sup>  | for M5                      | Fixing rail   | M5            | 3.80 kg | 2                         | 155 | 95  | 162 | 113 | 135 | -  | 50 | 80 | -  | - |  |  |  |
| LR3 40-5/20 | Screw clamp, 4 mm <sup>2</sup>  | for M4                      | Fixing rail   | M5            | 5.34 kg | 2                         | 155 | 110 | 162 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-3/25 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 3.80 kg | 3                         | 155 | 95  | 166 | 113 | 135 | -  | 50 | 80 | -  | - |  |  |  |
| LR3 40-4/25 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 5.80 kg | 3                         | 155 | 110 | 167 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-5/25 | Screw clamp, 10 mm <sup>2</sup> | for M4                      | Fixing rail   | M5            | 5.85 kg | 2                         | 155 | 110 | 166 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-3/30 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 5.44 kg | 3                         | 155 | 110 | 167 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-4/30 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 5.85 kg | 3                         | 155 | 110 | 167 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-5/30 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 6.25 kg | 3                         | 185 | 102 | 198 | 90  | 136 | -  | 70 | 83 | -  | - |  |  |  |
| LR3 40-3/35 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 5.95 kg | 3                         | 155 | 110 | 167 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-4/35 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 5.95 kg | 3                         | 155 | 110 | 166 | 113 | 135 | -  | 65 | 95 | -  | - |  |  |  |
| LR3 40-5/35 | Screw clamp, 10 mm <sup>2</sup> | for M5                      | Fixing rail   | M5            | 8.25 kg | 3                         | 185 | 112 | 197 | 90  | 136 | -  | 80 | 93 | -  | - |  |  |  |
| LR3 40-3/40 | Screw clamp, 10 mm <sup>2</sup> | for M6                      | Fixing rail   | M5            | 6.12 kg | 3                         | 185 | 102 | 195 | 90  | 136 | -  | 83 | 70 | -  | - |  |  |  |
| LR3 40-4/40 | Screw clamp, 10 mm <sup>2</sup> | for M6                      | Fixing rail   | M5            | 6.80 kg | 3                         | 185 | 102 | 195 | 90  | 136 | -  | 83 | 70 | -  | - |  |  |  |
| LR3 40-5/40 | Screw clamp, 10 mm <sup>2</sup> | for M6                      | Fixing rail   | M5            | 8.28 kg | 3                         | 185 | 112 | 197 | 90  | 136 | -  | 80 | 93 | -  | - |  |  |  |

### Dimension pictures

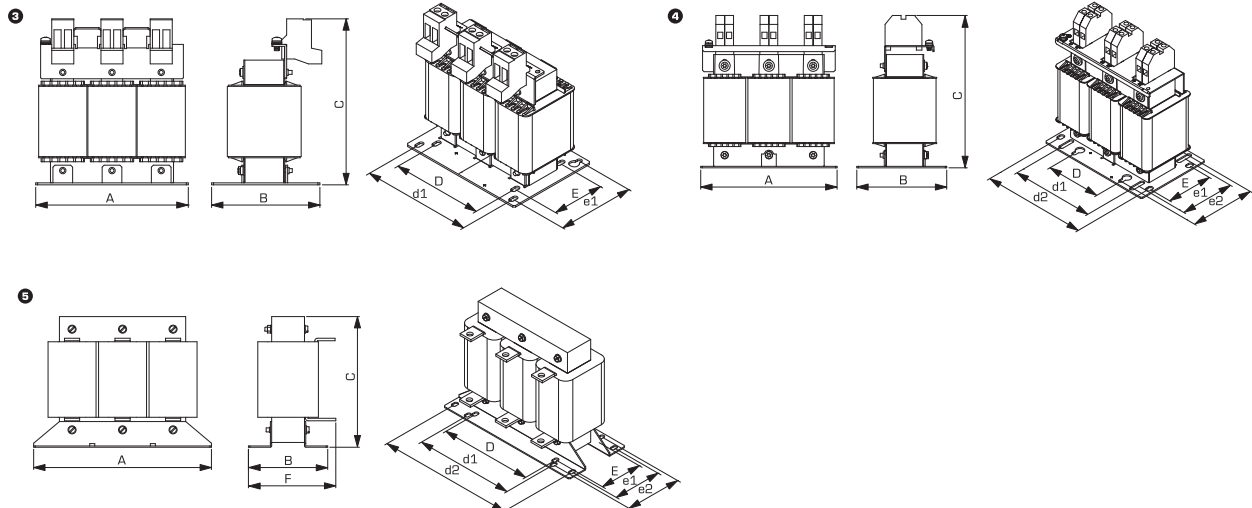




### Line reactor, three-phase LR3 400

| Typ          | Terminals phase                 | Terminals PE | Fixing method | Fixing screws | Weight   | Dimension picture (in mm) | A   | B   | C   | D   | d1  | d2  | E   | e1  | e2  | F   |
|--------------|---------------------------------|--------------|---------------|---------------|----------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |                                 |              |               |               |          |                           |     |     |     |     |     |     |     |     |     |     |
| LR3 40-3/45  | Screw clamp, 10 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 6.80 kg  | 3                         | 185 | 102 | 195 | 90  | 136 | -   | 83  | 70  | -   | -   |
| LR3 40-4/45  | Screw clamp, 10 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 8.25 kg  | 3                         | 185 | 112 | 196 | 90  | 136 | 170 | 80  | 93  | -   | -   |
| LR3 40-5/45  | Screw clamp, 10 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 9.65 kg  | 3                         | 185 | 122 | 207 | 90  | 136 | -   | 90  | 103 | -   | -   |
| LR3 40-3/50  | Screw clamp, 16 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 6.80 kg  | 4                         | 185 | 102 | 210 | 90  | 136 | 170 | 83  | 70  | 57  | -   |
| LR3 40-4/50  | Screw clamp, 10 mm <sup>2</sup> | for M6       | Fixing rail   | M6            | 8.35 kg  | 4                         | 185 | 112 | 207 | 90  | 136 | 170 | 67  | 80  | 93  | -   |
| LR3 40-5/50  | Screw clamp, 35 mm <sup>2</sup> | for M6       | Fixing rail   | M6            | 10.80 kg | 3                         | 210 | 117 | 239 | 105 | 156 | -   | 85  | 98  | -   | -   |
| LR3 40-3/63  | Screw clamp, 16 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 7.71 kg  | 4                         | 185 | 112 | 207 | 90  | 136 | 170 | 93  | 80  | 67  | -   |
| LR3 40-4/63  | Screw clamp, 16 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 9.65 kg  | 4                         | 210 | 117 | 241 | 105 | 156 | 175 | 77  | 85  | 98  | -   |
| LR3 40-5/63  | Screw clamp, 35 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 12.19 kg | 3                         | 210 | 125 | 237 | 105 | 156 | -   | 93  | 106 | -   | -   |
| LR3 40-3/70  | Screw clamp, 16 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 9.50 kg  | 4                         | 185 | 122 | 207 | 90  | 136 | 170 | 103 | 90  | 77  | -   |
| LR3 40-4/70  | Screw clamp, 35 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 10.80 kg | 4                         | 210 | 117 | 240 | 98  | 156 | 175 | 77  | 88  | 105 | -   |
| LR3 40-5/70  | Screw clamp, 35 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 14.38 kg | 3                         | 210 | 135 | 240 | 180 | -   | -   | 92  | -   | -   | -   |
| LR3 40-3/80  | Screw clamp, 35 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 10.80 kg | 4                         | 210 | 117 | 240 | 105 | 156 | 175 | 98  | 85  | 77  | -   |
| LR3 40-4/80  | Screw clamp, 35 mm <sup>2</sup> | for M5       | Fixing rail   | M6            | 12.50 kg | 4                         | 210 | 125 | 238 | 105 | 156 | 175 | 85  | 93  | 105 | -   |
| LR3 40-5/80  | Screw clamp, 35 mm <sup>2</sup> | for M5       | Fixing rail   | M8            | 19.00 kg | 3                         | 230 | 149 | 260 | 176 | 180 | -   | 95  | 122 | -   | -   |
| LR3 40-3/90  | Flat copper                     | for M8       | Fixing rail   | M8            | 12.51 kg | 5                         | 210 | 105 | 180 | 175 | -   | -   | 82  | -   | -   | 128 |
| LR3 40-4/90  | Flat copper                     | for M8       | Fixing rail   | M8            | 16.00 kg | 5                         | 267 | 115 | 201 | 176 | 180 | 249 | 74  | 82  | 101 | 128 |
| LR3 40-5/90  | Flat copper                     | for M8       | Fixing rail   | M8            | 21.66 kg | 5                         | 267 | 139 | 201 | 179 | 180 | 249 | 98  | 106 | 125 | 156 |
| LR3 40-3/100 | Flat copper                     | for M8       | Fixing rail   | M8            | 13.22 kg | 5                         | 267 | 115 | 201 | 176 | 180 | 249 | 74  | 82  | 98  | 128 |
| LR3 40-4/100 | Flat copper                     | for M8       | Fixing rail   | M8            | 19.00 kg | 5                         | 267 | 139 | 201 | 176 | 180 | 249 | 97  | 106 | 125 | 153 |
| LR3 40-5/100 | Flat copper                     | for M8       | Fixing rail   | M8            | 23.19 kg | 5                         | 291 | 139 | 212 | 185 | 273 | -   | 110 | 110 | -   | 160 |
| LR3 40-3/115 | Flat copper                     | for M8       | Fixing rail   | M8            | 19.00 kg | 5                         | 267 | 139 | 201 | 176 | 180 | 249 | 98  | 106 | 122 | 152 |
| LR3 40-4/115 | Flat copper                     | for M8       | Fixing rail   | M8            | 21.00 kg | 5                         | 291 | 139 | 212 | 185 | 273 | -   | 120 | 120 | -   | 158 |
| LR3 40-5/115 | Flat copper                     | for M8       | Fixing rail   | M8            | 25.31 kg | 5                         | 219 | 132 | 233 | 200 | -   | -   | 105 | -   | -   | 164 |
| LR3 40-3/125 | Flat copper                     | for M8       | Fixing rail   | M8            | 19.00 kg | 5                         | 267 | 139 | 202 | 176 | 180 | 249 | 98  | 106 | 122 | 152 |
| LR3 40-4/125 | Flat copper                     | for M8       | Fixing rail   | M8            | 22.00 kg | 5                         | 291 | 139 | 211 | 185 | 273 | -   | 120 | 120 | -   | 159 |
| LR3 40-5/125 | Flat copper                     | for M8       | Fixing rail   | M8            | 25.61 kg | 5                         | 219 | 132 | 234 | 200 | -   | -   | 105 | -   | -   | 165 |
| LR3 40-3/160 | Flat copper                     | for M8       | Fixing rail   | M8            | 20.20 kg | 5                         | 291 | 129 | 212 | 185 | 273 | -   | 97  | 97  | -   | 148 |
| LR3 40-4/160 | Flat copper                     | for M8       | Fixing rail   | M8            | 25.50 kg | 5                         | 291 | 149 | 210 | 185 | 273 | -   | 185 | 185 | -   | 169 |
| LR3 40-5/160 | Flat copper                     | for M8       | Fixing rail   | M8            | 32.00 kg | 5                         | 352 | 144 | 264 | 224 | 240 | 328 | 88  | 107 | 123 | 166 |
| LR3 40-3/180 | Flat copper                     | for M8       | Fixing rail   | M8            | 26.47 kg | 5                         | 291 | 149 | 208 | 185 | 273 | -   | 117 | 117 | -   | 169 |
| LR3 40-4/180 | Flat copper                     | for M8       | Fixing rail   | M8            | 28.00 kg | 5                         | 291 | 153 | 212 | 185 | 273 | -   | 123 | 123 | -   | 177 |
| LR3 40-5/180 | Flat copper                     | for M8       | Fixing rail   | M8            | 48.28 kg | 5                         | 352 | 168 | 265 | 224 | 240 | 328 | 122 | 132 | 148 | 208 |

### Dimension pictures





### Line reactor, three-phase LR3 400

| Typ           | Terminals phase | Terminals PE | Fixing method | Fixing screws | Weight    | Dimension picture (in mm) | A   | B   | C   | D   | d1  | d2  | E   | e1  | e2  | F   |
|---------------|-----------------|--------------|---------------|---------------|-----------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|               |                 |              |               |               |           |                           |     |     |     |     |     |     |     |     |     |     |
| LR3 40-3/200  | Flat copper     | for M8       | Fixing rail   | M8            | 23.21 kg  | 5                         | 316 | 164 | 232 | 200 | 215 | 292 | 105 | 102 | 101 | 181 |
| LR3 40-4/200  | Flat copper     | for M8       | Fixing rail   | M8            | 32.00 kg  | 5                         | 352 | 144 | 264 | 224 | 240 | 328 | 97  | 107 | 123 | 163 |
| LR3 40-5/200  | Flat copper     | for M8       | Fixing rail   | M8            | 48.00 kg  | 5                         | 352 | 168 | 265 | 224 | 240 | 328 | 122 | 132 | 148 | 204 |
| LR3 40-3/250  | Flat copper     | for M8       | Fixing rail   | M8            | 32.00 kg  | 5                         | 352 | 144 | 264 | 224 | 240 | 328 | 81  | 91  | 107 | 162 |
| LR3 40-4/250  | Flat copper     | for M8       | Fixing rail   | M8            | 41.00 kg  | 5                         | 352 | 158 | 265 | 224 | 240 | 328 | 110 | 120 | 136 | 177 |
| LR3 40-5/250  | Flat copper     | for M8       | Fixing rail   | M8            | 48.58 kg  | 5                         | 352 | 183 | 266 | 224 | 240 | 328 | 137 | 147 | 163 | 217 |
| LR3 40-3/300  | Flat copper     | for M8       | Fixing rail   | M8            | 31.80 kg  | 5                         | 352 | 144 | 264 | 224 | 240 | 328 | 81  | 97  | 107 | 183 |
| LR3 40-4/300  | Flat copper     | for M8       | Fixing rail   | M8            | 48.00 kg  | 5                         | 352 | 168 | 265 | 224 | 240 | 328 | 127 | 131 | 147 | 207 |
| LR3 40-5/300  | Flat copper     | for M8       | Fixing rail   | M8            | 62.00 kg  | 5                         | 352 | 195 | 266 | 224 | 240 | 328 | 148 | 158 | 174 | 232 |
| LR3 40-3/400  | Flat copper     | for M8       | Fixing rail   | M8            | 41.50 kg  | 5                         | 352 | 157 | 265 | 224 | 240 | 328 | 104 | 110 | 120 | 197 |
| LR3 40-4/400  | Flat copper     | for M8       | Fixing rail   | M8            | 56.00 kg  | 5                         | 352 | 183 | 266 | 224 | 240 | 328 | 136 | 146 | 162 | 220 |
| LR3 40-5/400  | Flat copper     | for M8       | Fixing rail   | M8            | 71.73 kg  | 5                         | 412 | 172 | 318 | 264 | 310 | 388 | 136 | 146 | 146 | 202 |
| LR3 40-3/500  | Flat copper     | for M8       | Fixing rail   | M8            | 56.00 kg  | 5                         | 352 | 184 | 265 | 224 | 240 | 328 | 120 | 136 | 146 | 217 |
| LR3 40-4/500  | Flat copper     | for M8       | Fixing rail   | M8            | 62.00 kg  | 5                         | 352 | 195 | 266 | 224 | 240 | 328 | 147 | 157 | 173 | 232 |
| LR3 40-5/500  | Flat copper     | for M8       | Fixing rail   | M8            | 74.35 kg  | 5                         | 412 | 172 | 318 | 264 | 310 | 388 | 136 | 146 | 146 | 203 |
| LR3 40-3/630  | Flat copper     | for M8       | Fixing rail   | M8            | 60.53 kg  | 5                         | 412 | 170 | 315 | 264 | 310 | 388 | 134 | 134 | 124 | 200 |
| LR3 40-4/630  | Flat copper     | for M8       | Fixing rail   | M8            | 75.50 kg  | 5                         | 412 | 188 | 317 | 264 | 310 | 388 | 151 | 161 | 161 | 214 |
| LR3 40-5/630  | Flat copper     | for M8       | Fixing rail   | M8            | 85.75 kg  | 5                         | 480 | 155 | 372 | 316 | 370 | 450 | 129 | 139 | 147 | 205 |
| LR3 40-3/710  | Flat copper     | for M8       | Fixing rail   | M8            | 73.15 kg  | 5                         | 412 | 188 | 317 | 264 | 310 | 388 | 149 | 149 | 139 | 209 |
| LR3 40-4/710  | Flat copper     | for M8       | Fixing rail   | M10           | 102.00 kg | 5                         | 480 | 186 | 372 | 316 | 371 | 450 | 139 | 149 | 157 | 226 |
| LR3 40-5/710  | Flat copper     | for M8       | Fixing rail   | M10           | 98.69 kg  | 5                         | 480 | 165 | 372 | 316 | 370 | 450 | 139 | 149 | 157 | 215 |
| LR3 40-3/800  | Flat copper     | for M8       | Fixing rail   | M10           | 102.00 kg | 5                         | 480 | 183 | 377 | 316 | 370 | 450 | 140 | 150 | 158 | 226 |
| LR3 40-4/800  | Flat copper     | for M8       | Fixing rail   | M10           | 115.00 kg | 5                         | 480 | 200 | 371 | 316 | 370 | 450 | 154 | 164 | 172 | 241 |
| LR3 40-5/800  | Flat copper     | for M16      | Fixing rail   | M10           | 144.07 kg | 5                         | 552 | 217 | 419 | 356 | 430 | 516 | 161 | 163 | 189 | 308 |
| LR3 40-3/1000 | Flat copper     | for M16      | Fixing rail   | M10           | 115.00 kg | 5                         | 480 | 200 | 376 | 316 | 370 | 450 | 144 | 164 | 172 | 238 |
| LR3 40-4/1000 | Flat copper     | for M16      | Fixing rail   | M10           | 145.00 kg | 5                         | 480 | 245 | 376 | 316 | 370 | 450 | 199 | 209 | 217 | 274 |
| LR3 40-5/1000 | Flat copper     | for M16      | Fixing rail   | M10           | 128.32 kg | 5                         | 552 | 217 | 419 | 356 | 430 | 516 | 161 | 163 | 189 | 305 |
| LR3 40-3/1200 | Flat copper     | for M16      | Fixing rail   | M12           | 115.72 kg | 5                         | 552 | 217 | 419 | 356 | 430 | 516 | 167 | 169 | 195 | 301 |
| LR3 40-4/1200 | Flat copper     | for M16      | Fixing rail   | M12           | 186.20 kg | 5                         | 552 | 244 | 419 | 356 | 430 | 516 | 176 | 190 | 216 | 329 |
| LR3 40-5/1200 | Flat copper     | for M16      | Fixing rail   | M12           | 186.20 kg | 5                         | 552 | 274 | 420 | 356 | 430 | 516 | 218 | 220 | 246 | 362 |
| LR3 40-3/1400 | Flat copper     | for M16      | Fixing rail   | M12           | 145.24 kg | 5                         | 552 | 244 | 420 | 356 | 430 | 516 | 194 | 196 | 222 | 358 |
| LR3 40-4/1400 | Flat copper     | for M16      | Fixing rail   | M12           | 207.90 kg | 5                         | 552 | 274 | 420 | 356 | 430 | 516 | 206 | 220 | 246 | 362 |
| LR3 40-5/1400 | Flat copper     | for M16      | Fixing rail   | M12           | 207.90 kg | 5                         | 540 | 270 | 465 | 490 | -   | -   | 236 | -   | -   | 328 |
| LR3 40-3/1600 | Flat copper     | for M16      | Fixing rail   | M12           | 171.40 kg | 5                         | 552 | 274 | 420 | 356 | 430 | 516 | 224 | 226 | 252 | 358 |
| LR3 40-4/1600 | Flat copper     | for M16      | Fixing rail   | M12           | 306.60 kg | 5                         | 552 | 294 | 416 | 356 | 430 | 516 | 226 | 240 | 266 | 377 |
| LR3 40-5/1600 | Flat copper     | for M10      | Fixing rail   | M12           | 306.60 kg | 5                         | 540 | 270 | 465 | 490 | -   | -   | 336 | -   | -   | 324 |

## Dimension pictures

