Line reactor, three-phase LR3 40-5/35



Standards

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

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 mitigation

Starting current limitation

Increases the service life of equipment

Low ripple

Bridging voltage dips

Peak current limitation

Very good corrosion protection and low noise due to vacuum impregnation

Integrated lifting rings

Multifunctional fixing rails

Applications

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



cNus 🕈

UL 506, CSA 22.2





Line reactor, three-phase LR3 40-5/35

| Type of cooling AN Safety and protection Type Open type Insulation class IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage Order numbers | | Туре | LR3 40-5/35 | | Туре | LR3 40-5/35 |
|---|----|--------------------------|---------------------|------|-----------------------|---------------------------------------|
| Rated voltage (IEC) 3 x 690 Vac For M3 Rated voltage (UU) 3 x 800 Vac Foring method Foring rail Short circuit voltage uK 5 % @ 400 Vac M3 Voltage drop 11.6 Vac Mass M3 Rated current 3 x 35 A Mass Mass Rated frequency 50 · 60 Hz Mass Mass Inductance 105 mH Mass Mass Output 700% Output Dimensions in inch Power loss 122 W Approvals Output Out | ያድ | Operating data | | 0 | Terminal and mounting | |
| Rated voltage UL3 x 600 VacFixing methodFixing rellShort circuit voltage UK5 % @ 400 VacFixing methodFixing methodVoltage drop11.6 VacM5Rated current3 x 35 AM5Rated urrent3 x 35 AM6Rated urrent3 x 35 AM6Inductance105 mHM1Inductance deviation105 mHM1Inductance deviation105 mHM1OutputDimensions in inchDimensions in inchPower loss122 WM2ApprovalsCURusM1Environment14 °F to +104 °FType of coolingANSafety and protectionM2Nord Safety and protectionP00Safety and protectionP00Safety and protectionP00Safety class (prepared)IIst voltage4000 VacOrder numbers4000 Vac | | | 3 x 400 Vac | | Terminals phase | Screw clamp, 10 mm ² |
| Voltage drop116 VacRated current3 x 36 ARated current3 x 36 ARated frequency50 - 60 HzInductance1.05 mHInductance deviation±10%OutputPower loss122 WApprovalsApprovalsEnvironmentAnbient temperature14 °F to ±104 °FType of coolingANSafety and protectionTypeOpen typeInsulation classEC-F, UL-class 155Protection indexP00Safety class (prepared)ITex voltage4000 VacOrder numbers1 | | Rated voltage (IEC) | 3 x 690 Vac | data | Connection type | for M5 |
| Voltage drop116 VacRated current3 x 36 ARated current3 x 36 ARated frequency50 - 60 HzInductance1.05 mHInductance deviation±10%OutputPower loss122 WApprovalsApprovalsEnvironmentAnbient temperature14 °F to ±104 °FType of coolingANSafety and protectionTypeOpen typeInsulation classEC-F, UL-class 155Protection indexP00Safety class (prepared)ITex voltage4000 VacOrder numbers1 | | Rated voltage (UL) | 3 x 600 Vac | | Fixing method | Fixing rail |
| Voltage drop116 VacRated current3 x 36 ARated current3 x 36 ARated frequency50 - 60 HzInductance1.05 mHInductance deviation±10%OutputPower loss122 WApprovalsApprovalsEnvironmentAnbient temperature14 °F to ±104 °FType of coolingANSafety and protectionTypeOpen typeInsulation classEC-F, UL-class 155Protection indexP00Safety class (prepared)ITex voltage4000 VacOrder numbers1 | | Short circuit voltage uK | - | | Fixing screws | M5 |
| Inductance deviaduit 100 Output Power loss Approvals Approvals CURus Environment Ambient temperature 14 °F to +104 °F Type of cooling AN Safety and protection Type Insulation class IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage Order numbers | | Voltage drop | | | Measures and weights | |
| Inductance deviation 100 Output Power loss Approvals Approvals CURus Environment Ambient temperature 14 °F to +104 °F Type of cooling AN Safety and protection Type Insulation class IEC-F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage Order numbers | | | | | Weight | 18.19 lbs |
| Inductance deviaduit 100 Output Power loss Approvals Approvals CURus Environment Ambient temperature 14 °F to +104 °F Type of cooling AN Safety and protection Type Insulation class IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage Order numbers | | | | | 5 | |
| Inductance deviation 100 Output Power loss Approvals Approvals CURus Environment Ambient temperature 14 °F to +104 °F Type of cooling AN Safety and protection Type Insulation class IEC-F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage Order numbers | | | | | Dimensions in inch | |
| OutputPower loss122 WApprovalsCURusApprovalscURusEnvironment14 °F to +104 °FType of coolingANSafety and protectionANSafety and protectionEC=F, UL=class 155Protection indexIP 00Safety class (prepared)ITest voltage4000 VacOrder numbersCurtee Curtee Cu | | Inductance deviation | ±10% | | | ~ |
| ApprovalsApprovalsCURusEnvironmentAmbient temperature14 °F to ±104 °FType of coolingANSafety and protectionTypeOpen typeInsulation classEC=F, UL=class 155Protection indexIP 00Safety class (prepared)ITest voltage4000 VacOrder numbers | | Output | | | | |
| Approvals cURus Environment Image: Cooling of the state of the sta | | Power loss | 122 W | | | |
| Approvals CURUS Environment Ambient temperature 14 °F to +104 °F Type of cooling Safety and protection Type Insulation class IEC=F, UL=class 155 Protection index Protection index Safety class (prepared) I Test voltage Order numbers | | Approvals | | | | |
| Ambient temperature 14 % to +104 % Type of cooling AN Safety and protection Image: Cooling of the period of th | | Approvals | cURus | | | |
| Type of cooling AN Safety and protection Type Open type Insulation class IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage Order numbers | | Environment | | | | |
| Type of cooling AN Safety and protection Type Open type Insulation class IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers Vac | | Ambient temperature | 14 °F to +104 °F | | | · · · · · · · · · · · · · · · · · · · |
| Safety and protection Type Open type Insulation class IEC=F, UL=class 155 Protection index IP 00 Safety class (prepared) I Test voltage 4000 Vac Order numbers Image: Class C | | Type of cooling | AN | | | 3.66 |
| Insulation classIEC=F, UL=class 155Protection indexIP 00Safety class (prepared)ITest voltage4000 VacOrder numbersI | | Safety and protection | | | | |
| Protection indexIP 00Safety class (prepared)ITest voltage4000 VacOrder numbersI | | Туре | Open type | | | |
| Safety class (prepared) I Test voltage 4000 Vac Order numbers | | Insulation class | IEC=F, UL=class 155 | | | |
| Test voltage 4000 Vac Order numbers | | Protection index | IP 00 | | | |
| Order numbers | | Safety class (prepared) | I | | | |
| | | Test voltage | 4000 Vac | | | |
| Order Number IB3 40-5/35 | | Order numbers | | | | |
| | | Order Number | LR3 40-5/35 | | | |

