## 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).



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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 <sup>2</sup>
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			

