



Main

Product or component type	EMC input filter
Range compatibility	Altivar 21 Altivar 31 Lexium 05
Product compatibility	ATV21HU30M3X ATV21HU30N4 ATV21HU40M3X ATV21HU40N4 ATV21HU55N4 ATV31CU22N4 ATV31CU30N4 ATV31CU40N4 ATV31HU22N4 ATV31HU30M3X ATV31HU30N4 ATV31HU40M3X ATV31HU40N4 ATV31KU22N4 ATV31KU30N4 ATV31KU40N4 LXM05AD22N4 LXM05AD34N4 LXM05AD42M3X LXM05BD22N4 LXM05BD34N4 LXM05BD42M3X LXM05CD22N4 LXM05CD34N4
Product specific application	Radio interference input filter
[In] rated current	25 A
Thermal losses	1 W for ATV21HU30N4 1.6 W for ATV21HU40N4 3 W for ATV21HU55N4 3.6 W for ATV21HU30M3X 6.2 W for ATV21HU40M3X 15.8 W for ATV31CU22N4
Network number of phases	Three phase

Complementary

Electrical connection	Terminal , connection capacity: 10 mm² (AWG 6)
Tightening torque	1.8 N.m
Maximum earth leakage current	17.8 mA at 480 V 60 Hz 35 mA 50 Hz 37 mA at 480 V 60 Hz
Power supply voltage	200...240 V 380...500 V
Tolerance	10 %
Product weight	1.35 kg 1.65 kg

Environment

IP degree of protection	IP20 IP41 (upper part)
Relative humidity	≤ 93 % conforming to IEC 68-2-3
Ambient air temperature for operation	-10...50 °C
Ambient air temperature for storage	-25...70 °C
Operating altitude	1000...3000 m with current derating 1 % per 100 m ≤ 1000 m without current derating
Vibration resistance	1 gn (f = 13...150 Hz) conforming to IEC 60068-2-6 1.5 mm peak to peak (f = 3...13 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to EN/IEC 60068-2-27
Standards	EN/IEC 61800-3 EN 133200