



Main

Product or component type	Network braking unit ATV71
Range compatibility	Altivar 71
[Us] rated supply voltage	400 V
Maximum current I _{rms}	139 A DC 116 A AC
Permanent braking power	48 kW
Maximum braking power	104 kW

Complementary

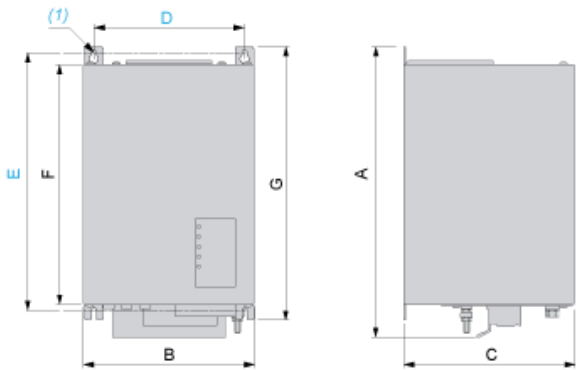
Supply circuit type	AC
Associated fuse rating	160 A at 690 V
Supply voltage limits	380...440 V
Network frequency	50...60 Hz +/- 2 %
Overload protection	1.1 x maximum current
Efficiency	98 %
Cos phi	1
Electrical connection	Bare wires connection M6 95 mm ² connection capacity
Height	568 mm
Width	255 mm
Depth	315 mm
Product weight	30 kg

Environment

IP degree of protection	IP20
Relative humidity	Class F without condensation 5...85 %
Ambient air temperature for operation	5...40 °C without current derating > 40...< 55 °C with current derating 3 % per °C
Ambient air temperature for storage	-25...55 °C
Operating altitude	1000...4000 m with current derating 5 % per 1000 m <= 1000 m without current derating

Dimensions

Front and Left Side View



(1) For fixing use 4 screws M6 x 20

Dimensions in mm

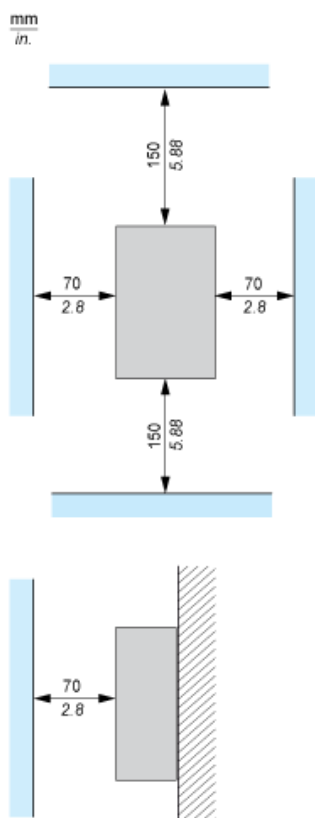
A	B	C	D	E	F	G
568	255	315	226	530	504	549

Dimensions in in.

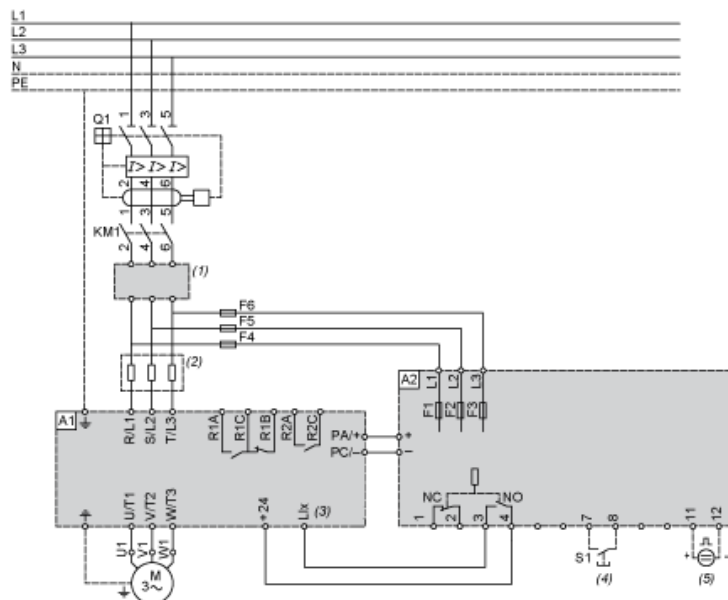
A	B	C	D	E	F	G
22.36	10.00	12.40	8.90	20.87	19.84	21.61

Mounting Recommendations

Vertical Mounting Only



Wiring Diagram



(1) Optional additional EMC input filter

(2) Line reactor

(3) External fault

(4) Stop

(5) Reset

A1 : ATV71 drive

A2 : Network braking unit

F1, 2 A fuse, 500 Vac

F2,

F3 :

F4, Fuses

F5,

F6 :

Q1 : Circuit breaker 300 mA