



Short Circuit Current Ratings (SCCR) and branch circuit protection

Recommended fuse ratings for UL and CSA requirements. Components for use together in accordance with standard UL508

ATV21 AC Drive					Short Circuit Current Ratings ⁶					
Input Voltage 60 Hz Y	(kW)	(HP)	input withstand Rating (kA) ¹	Reference	With Circuit Breaker		With GV2P		With Fuses	
						SCCR (kA) ² X	GV2P/3P Type E ⁴	SCCR (kA) ²	Fuses(A) 600 V class J ⁵ Z1, Z2	SCCR (kA) ^{2,3}
208 V, 3 phase	0.75	1	22	ATV21HO75M3X	HDL36015	22	GV2P10	22	10	100
	1.5	2	22	ATV21HU15M3X	HDL36015	22	GV2P14	22	15	100
	2.2	3	22	ATV21HU22M3X	HDL36020	22	GV2P16	22	30	100
	3	4	22	ATV21HU30M3X	-	-	-	-	-	-
	4	5	22	ATV21HU40M3X	HDL36040	22	GV2P20	22	35	100
	5.5	7.5	22	ATV21HU55M3X	HDL36050	22	GV2P22	22	50	100
	7.5	10	22	ATV21HU75M3X	HDL36070	22	GV2P32	22	60	100
	11	15	22	ATV21HD11M3X	HDL36100	22	-	-	100	100
	15	20	22	ATV21HD15M3X	HDL36215	22	-	-	125	100
	18.5	25	22	ATV21HD18M3X	HDL36175	22	-	-	150	100
22	30	22	ATV21HD22M3X	HDL36200	22	-	-	175	100	
30	40	22	ATV21HD30M3X	HDL36250	22	-	-	200	100	
230 V, 3 phase	0.75	1	22	ATV21HO75M3X	HDL36015	22	GV2P08	22	10	100
	1.5	2	22	ATV21HU15M3X	HDL36015	22	GV2P10	22	15	100
	2.2	3	22	ATV21HU22M3X	HDL36020	22	GV2P14	22	30	100
	3	4	22	ATV21HU30M3X	-	-	-	-	-	-
	4	5	22	ATV21HU40M3X	HDL36035	22	GV2P20	22	35	100
	5.5	7.5	22	ATV21HU55M3X	HDL36045	22	GV2P21	22	45	100
	7.5	10	22	ATV21HU75M3X	HDL36060	22	GV2P32	22	60	100
	11	15	22	ATV21HD11M3X	HDL36090	22	-	-	90	100
	15	20	22	ATV21HD15M3X	HDL36125	22	-	-	110	100
	18.5	25	22	ATV21HD18M3X	HDL36150	22	-	-	150	100
22	30	22	ATV21HD22M3X	HDL36175	22	-	-	175	100	
30	40	22	ATV21HD30M3X	HDL36225	22	-	-	200	100	
480 V, 3 phase	0.75	1	22	ATV21HO75N4	HDL36015	22	GV2P07	22	5	100
	1.5	2	22	ATV21HU15N4	HDL36015	22	GV2P08	22	7.5	100
	2.2	3	22	ATV21HU22N4	HDL36015	22	GV2P10	22	10	100
	3	4	22	ATV21HU30N4	HDL36020	22	GV2P14	22	15	100
	4	5	22	ATV21HU40N4	HDL36020	22	GV2P14	22	-	-
	5.5	7.5	22	ATV21HU55N4	HDL36025	22	GV2P16	22	20	100
	7.5	10	22	ATV21HU75N4	HDL36030	22	GV2P20	22	30	100
	11	15	22	ATV21HD11N4	HDL36045	22	GV2P21	22	45	100
	15	20	22	ATV21HD15N4	HDL36060	22	GV2P22	22	60	100
	18.5	25	22	ATV21HD18N4	HDL36070	22	GV2P32	22	80	100
	22	30	22	ATV21HD22N4	HDL36090	22	-	-	90	100
	30	40	22	ATV21HD30N4	HDL36125	22	-	-	110	100
	37	50	22	ATV21HD37N4	HDL36125	10	-	-	125	100
	45	60	22	ATV21HD45N4	HDL36150	10	-	-	150	100
55	75	22	ATV21HD55N4	HDL36175	10	-	-	200	100	
75	100	22	ATV21HD75N4	-	-	-	-	-	-	

- Input withstand rating is that for which the product has been thermally designed. Installation on a supply greater than this level may require additional inductance.
- Ratings apply to an ATV21 mounted in a non-ventilated Type 1, 3R, 4(X) or 12 rated enclosure. Minimum enclosure volume is 3.375 times the drive volume.
- Ratings also apply to ATV21 Type1 product, ie: an ATV21 fitted with a conduit box.
- 480 V ratings are for Wye connected electrical distribution systems. GV2P●● self protected manual combination starter must be used with GV2GH7 insulating barrier to meet UL 508 Type E rating.
- Fuse type can be fast acting or time delay, or Class CC.
- In place of providing a rating based on shorting the output of the drive, these short circuit rating have been obtained by testing the weakest point internal to the ATV21. These ratings allow proper coordination of short circuit protection.

Suitable for use on a circuit capable of delivering not more than ___X___rms symmetrical kiloAmperes, ___Y___ Volts maximum, when protected by ___Z1___ with a maximum rating of ___Z2___.