

VW3A7730

Braking resistors

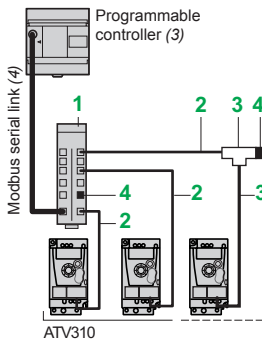
For drives	Minimum Ohmic value	Ohmic value at 20° C/68 °F	Power available at 50° C/122 °F (1)	Reference	Weight
	Ω	Ω	kW		kg/lb
Not protected resistor (IP00) (2)					
ATV310HU15N4E	80	100	0.028	VW3A7723	0.600/ 1.320
ATV310HU22N4E	60				
ATV310HU30N4E	36	100	0.035	VW3A7725	0.850/ 1.870
ATV310HU40N4E	36				
Protected resistor (IP20 or 23)					
ATV310HU15N4E	80	100	0.1	VW3A7730	1.500/ 3.307
ATV310HU22N4E	60				
ATV310HU30N4E	36				
ATV310HU40N4E	36				
ATV310HU55N4E	28	60	0.16	VW3A7731	2.000/ 4.409
ATV310HU75N4E	28				
ATV310HD11N4E	28	28	0.3	VW3A7732	3.000/ 6.614

Dimensions (overall)

Braking resistors	W x H x D	
	mm	in.
VW3A7723	60 x 170 x 30	2.36 x 6.659 x 1.18
VW3A7725	62 x 212 x 36	2.44 x 8.35 x 1.42
VW3A7730	105 x 295 x 100	4.13 x 11.61 x 3.94
VW3A7731	105 x 345 x 100	4.13 x 13.58 x 3.94
VW3A7732	175 x 345 x 100	6.89 x 13.58 x 3.94

Modbus serial link

Description	Item no.	Length m/ft	Unit reference	Weight kg/lb
Connection via splitter box and RJ45 connectors				
Modbus splitter box 10 RJ45 connectors and 1 screw terminal		—	LU9GC3	0.500/ 1.100
Cordsets for Modbus serial link equipped with 2 RJ45 connectors	2	0.3/0.98	VW3A8306R03	0.025/ 0.060
		1/3.28	VW3A8306R10	0.060/ 0.060
		3/9.84	VW3A8306R30	0.130/ 0.290
Modbus T-junction boxes (with integrated cable)	3	0.3/0.98	VW3A8306TF03	0.190/ 0.420
		1/3.28	VW3A8306TF10	0.210/ 0.460
Line terminators (5) (6) For RJ45 connector	R = 120 Ω C = 1 nF	4	VW3A8306RC	0.010/ 0.020
	R = 150 Ω	4	VW3A8306R	0.010/ 0.020



Example of Modbus diagram with connection via splitter box and RJ45 connectors

- (1) Load factor for resistors: the value of the average power that can be dissipated at 50 °C from the resistor into the casing is determined for a load factor during braking that corresponds to the majority of normal applications.
For VW3A7730...732:
- 2 s braking with a 0.6 T_n braking torque for a 40 s cycle
- 0.8 s braking with a 1.5 T_n braking torque for a 40 s cycle
- (2) For not protected resistors, add a thermal overload device.
- (3) Please refer to the programmable controller catalogue on our local website.
- (4) Cable depends on the type of controller or PLC.
- (5) Order in multiples of 2.
- (6) Depends on the bus architecture.