Schneider Electric VW3A3420 Digital Encoder Interface Module Instruction Manual

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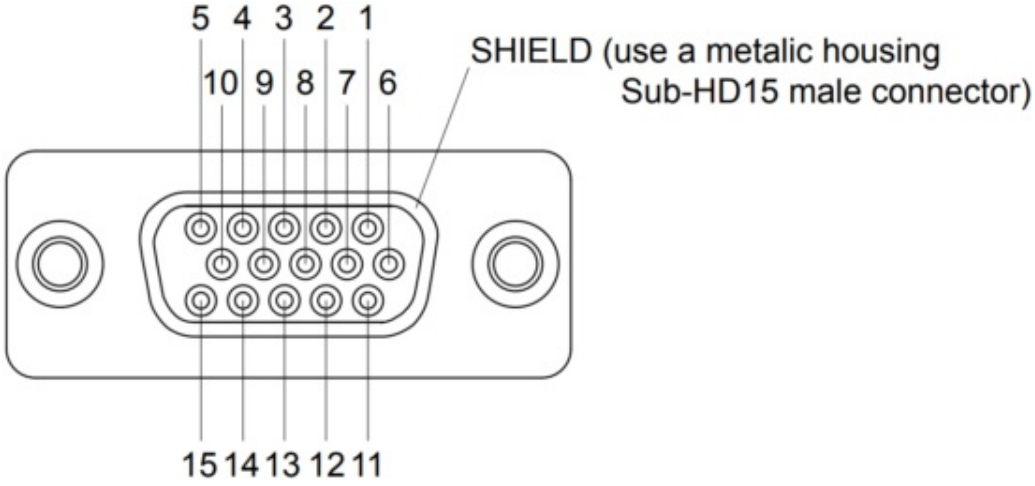
DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Only appropriately trained persons who are familiar with and fully understand the contents of the present manual and all other pertinent product documentation and who have received all necessary training to recognize and avoid hazards involved are authorized to work on and with this equipment.
- Installation, adjustment, repair, and maintenance must be performed by qualified personnel.
- Verify compliance with all local and national electrical code requirements as well as all other applicable regulations with respect to grounding of all equipment.
- Before performing work and/or applying voltage on the equipment, follow the instructions given in the appropriate installation manual.

Failure to follow these instructions will result in death or serious injury.

Electrical equipment should be installed, operated, serviced, and maintained only by qualifed personnel.
No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this product. © 2024 Schneider Electric. All Rights Reserved.

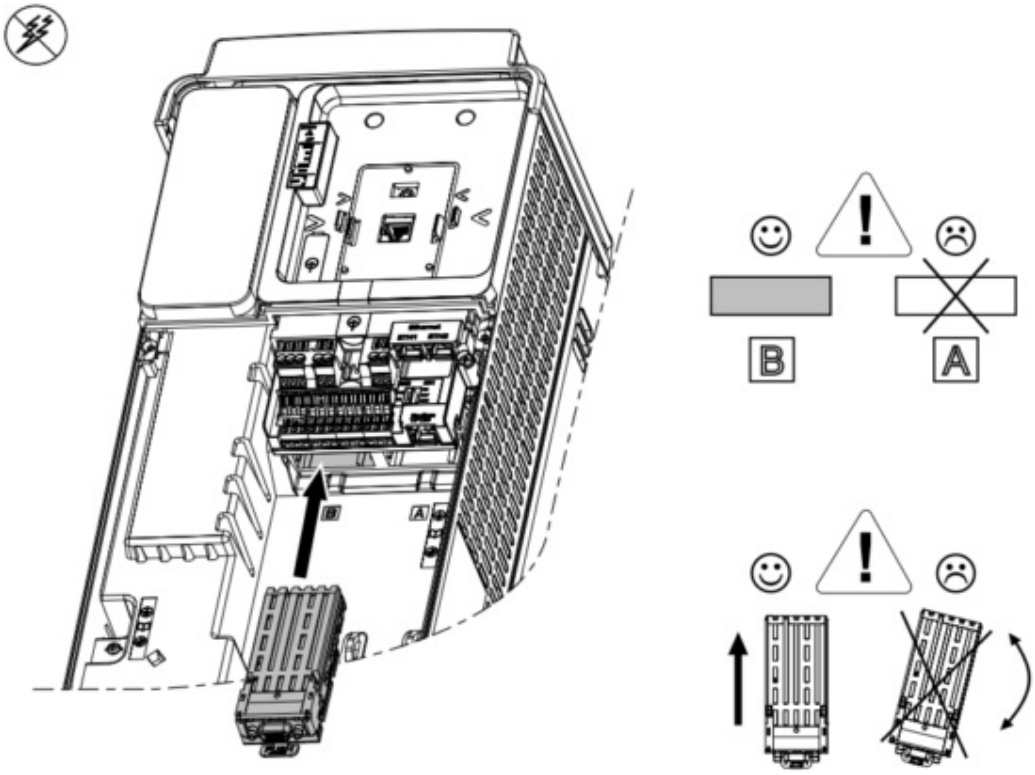


PIN	SIGNAL	FUNCTION	ELECTRICAL CHARACTERISTICS
1	DATA_A+	Data channel A	RS422 / RS485, Rin 121 Ω, 12 Mbit/s max.
2	DATA_A-		
3	ENC+24V_OUT	Encoder Supply 24Vdc	+24Vdc / 100mA
4	DATA_I+	Data channel I	RS422 / RS485, Rin 121 Ω, 12 Mbit/s max.
5	DATA_I-		
6	CLK+	Clock Signal	
7	ENC+12V_OUT	Encoder Supply 12Vdc	+12Vdc / 100mA
8	ENC_0V	Reference potential for enc oder supply	–
9	NC	–	–
10	DATA_B+	Data channel B	RS422 / RS485, Rin 121 Ω, 12 Mbit/s max.
11	DATA_B-		
12	TEMP_SENSE+	Temperature Sensor +	Supported sensor: PTC, PT100, PT1000, KTY84, Klix on
13	TEMP_SENSE-	Temperature Sensor –	
14	CLK-	Clock Signal	RS422 / RS485, Rin 121 Ω, 12 Mbit/s max.
15	ENC+5V_OUT	Encoder Supply 5Vdc	+5Vdc / 250mA
SHIELD		Overall cable shielding for signal lines	The shield is connected in the connector via the metal ic housing

PIN	TWISTED WIRE PAIR	ABI	SSI	EnDat 2.2	Input/Output
1	1	R	R	R	I**
2					
3	5*	–	–	–	O
4	3	Opt.	–	–	I
5					
6	4	–	R	R	O
7	5*	–	–	–	O
8	5	R	R	R	–
9	–	–	–	–	–
10	2	R	–	–	I
11					
12	6	Opt.	Opt.	Opt.	I
13					
14	4	–	R	R	O
15	5*	–	–	–	O
SHIELD		R	R	R	–
*: Wired depending on selected supply voltage**: I/O for EnDat 2.2 R: Required- : Not requiredOpt.: Optional					

Suggested cable: VW 3 M 8221 R 1000
See IEN- Menu in the Programming Manual

ATV 900
ATV 340
Mounting



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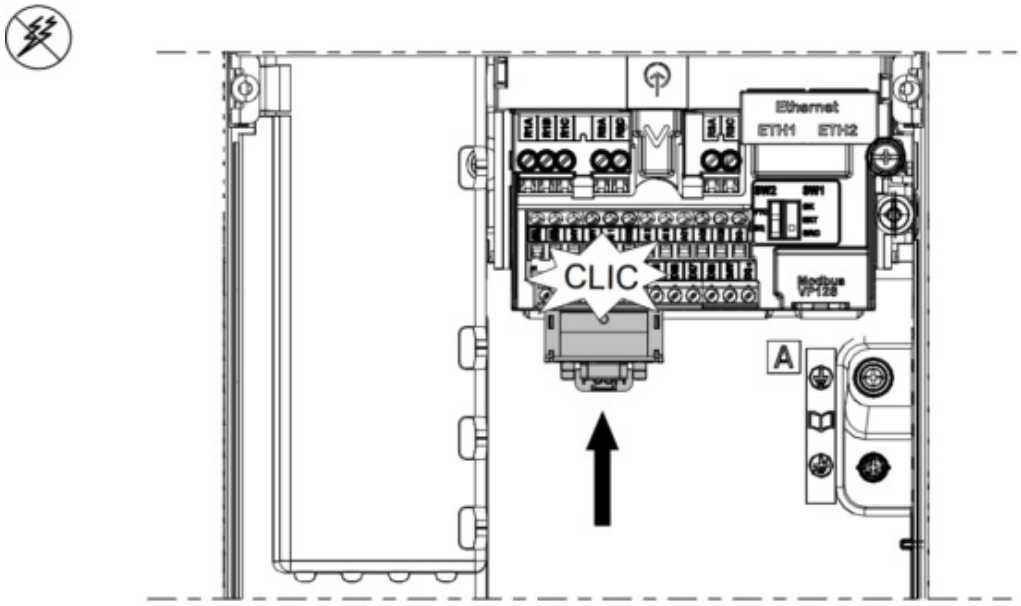
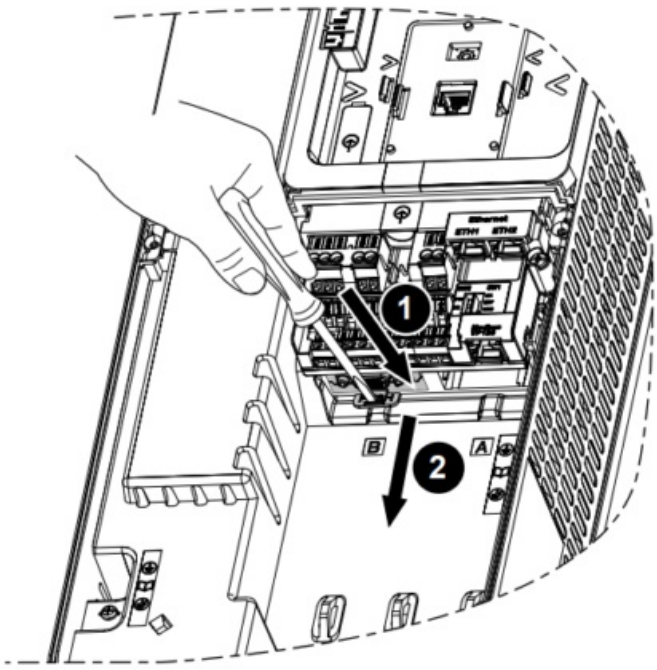
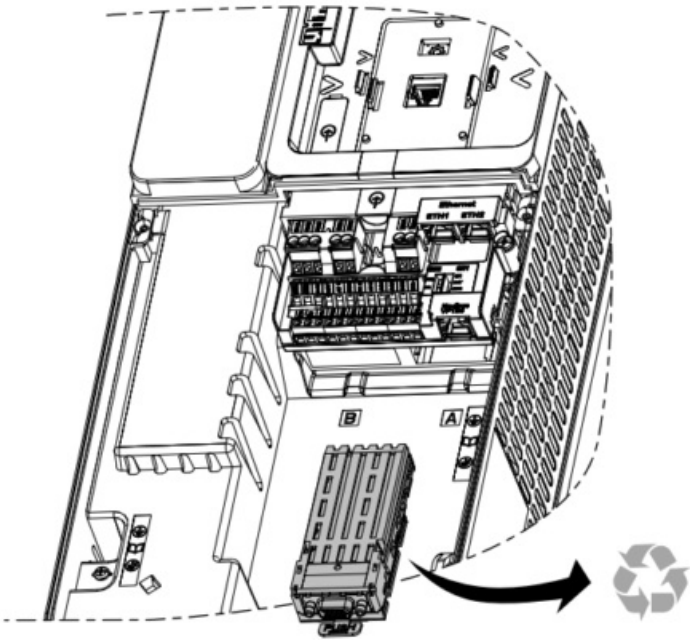


2.

ATV 900
ATV 340
Removing

1.

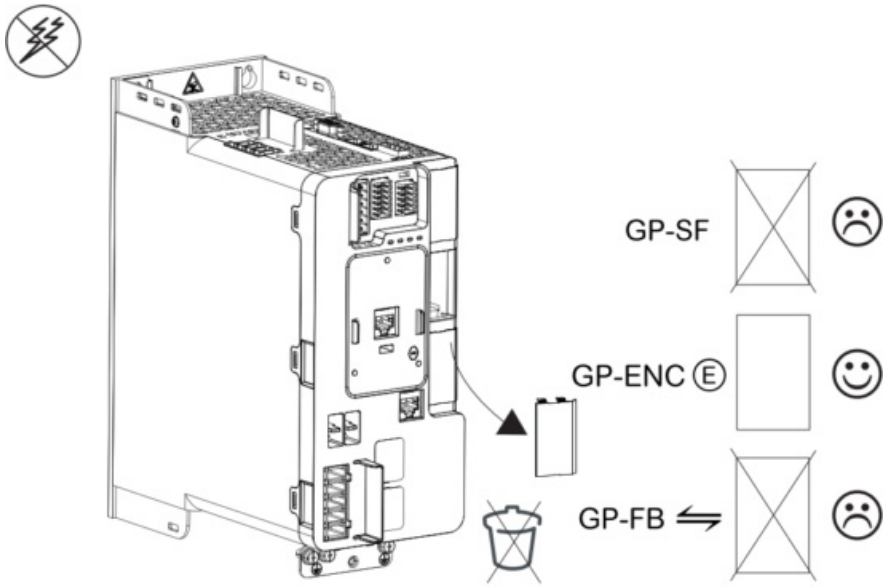




2.

ATV 340
Mounting

1.



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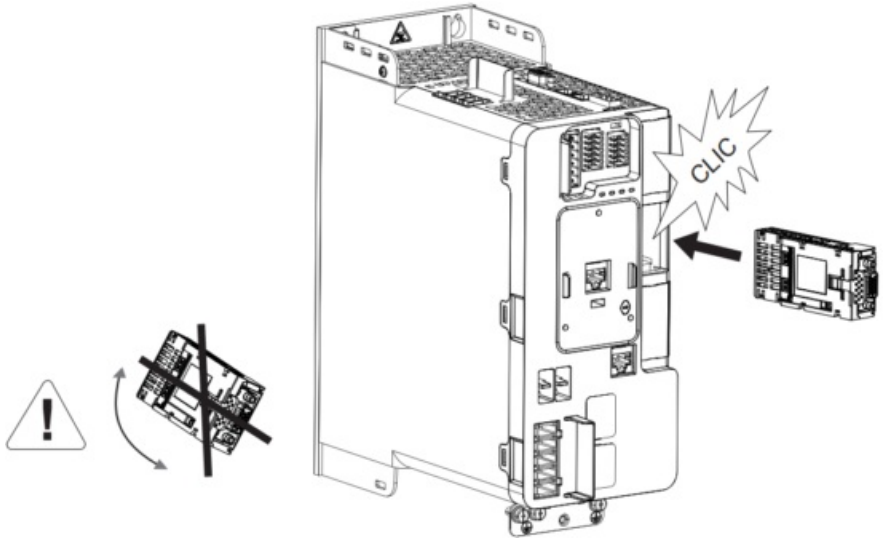
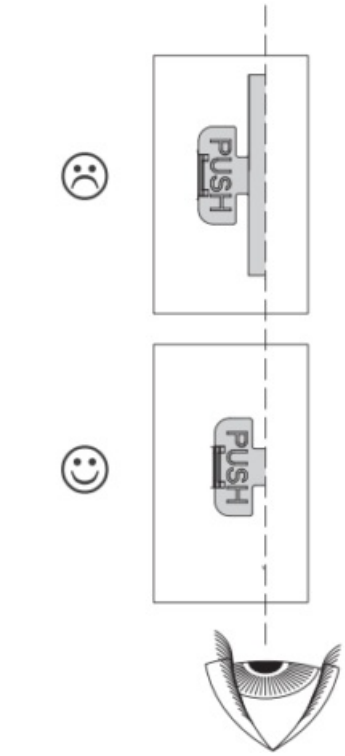
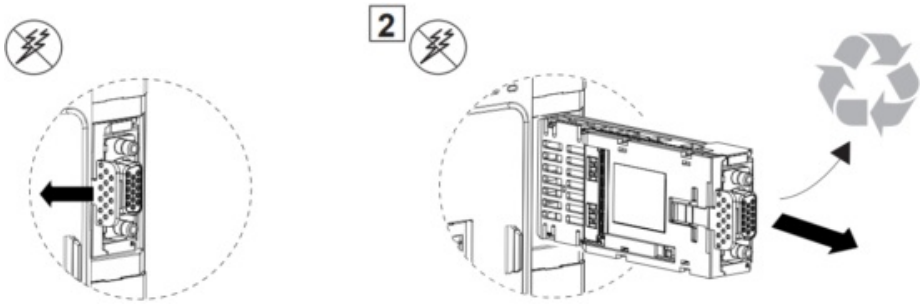


3.



Removing

1



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References

- User Manual

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