

**⚠ ⚠ DANGER**

**HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Only appropriately trained persons who are familiar with and understand the contents of this manual and all other pertinent product documentation and who have received safety training to recognize and avoid hazards involved are authorized to work on and with this drive system. Installation, adjustment, repair, and maintenance must be performed by qualified personnel.
  - The system integrator is responsible for compliance with all local and national electrical code requirements as well as all other applicable regulations with respect to grounding of all equipment.
  - Many components of the product, including the printed circuit boards, operate with mains voltage. Do not touch. Use only electrically insulated tools.
  - Do not touch unshielded components or terminals with voltage present.
  - Motors can generate voltage when the shaft is rotated. Prior to performing any type of work on the drive system, block the motor shaft to prevent rotation.
  - AC voltage can couple voltage to unused conductors in the motor cable. Insulate both ends of unused conductors of the motor cable.
  - Do not short across the DC bus terminals or the DC bus capacitors or the braking resistor terminals.
  - Before performing work on the drive system:
    - Disconnect all power, including external control power that may be present.
    - Place a "Do Not Turn On" label on all power switches.
    - Lock all power switches in the open position.
    - Wait 15 minutes to allow the DC bus capacitors to discharge. The DC bus LED is not an indicator of the absence of DC bus voltage that can exceed 800 Vdc.
    - Measure the voltage on the DC bus between the DC bus terminals (PA/+ and PC/-) using a properly rated voltmeter to verify that the voltage is <42 Vdc.
    - If the DC bus capacitors do not discharge properly, contact your local Schneider Electric representative. Do not repair or operate the product.
  - Install and close all covers before applying voltage.
- Failure to follow these instructions will result in death or serious injury.**

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this product.  
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### **RISK OF FIRE**

Before installing the product, verify that all cardboard and other packaging material have been completely removed from the product.

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



The metal surfaces of the product may reach 75°C (167°F) during operation.

## **⚠ WARNING**

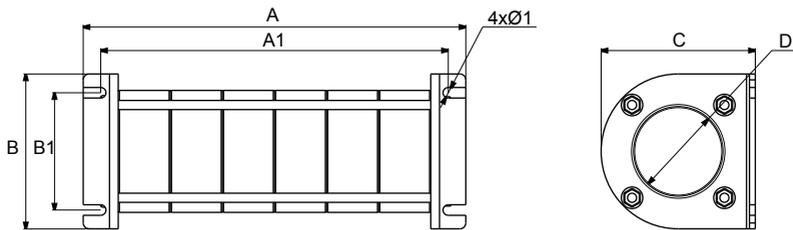
### **HOT SURFACES**

- Ensure that any contact with hot surfaces is avoided.
- Do not allow flammable or heat-sensitive parts in the immediate vicinity of hot surfaces.
- Verify that the heat dissipation is sufficient by performing a test run under maximum load conditions.

**Failure to follow these instructions can result in death, serious injury, or equipment damage.**

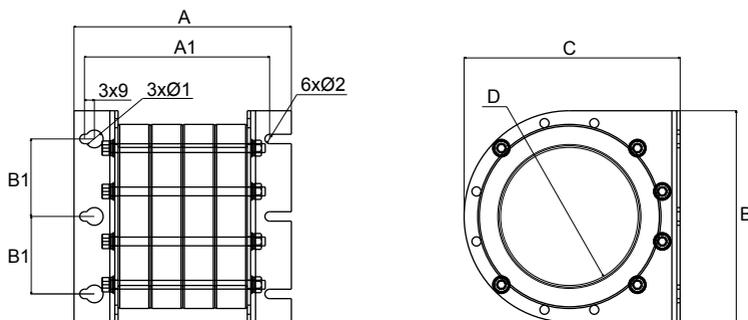
**NOTE:** If the temperature of the common mode filter is above 75°C, you should:

- Add a common mode filter in series
- Use cable with lower capacitance
- Reduce the cable length
- Strengthen ventilation on the common mode filter



	A		B		A1		B1		Ø1	
	mm	in	mm	in	mm	in	mm	in	mm	in
VW3A5501	119.2	4.7	66	2.6	104.2	4.1	50	2.0	4.5	0.18
VW3A5502	163.8	6.4	66	2.6	148.8	5.9	50	2.0	4.5	0.18

	C		D	
	mm	in	mm	in
VW3A5501	66	2.6	37.1	1.5
VW3A5502	66	2.6	37.1	1.5



	A		A1		B1		Ø1		Ø2	
	mm	in	mm	in	mm	in	mm	in	mm	in
VW3A5503	160	6.3	137	5.1	45	1.8	13	0.5	6.5	0.26
VW3A5504	210	8.3	187	7.1	45	1.8	13	0.5	6.5	0.26
VW3A5505	197.2	7.8	167.8	6.3	70	2.8	16	0.6	8.5	0.33
VW3A5506	255.8	10.1	226.4	8.5	70	2.8	16	0.6	8.5	0.33

	B		C		D	
	mm	in	mm	in	mm	in
VW3A5503	127.5	5.0	127.5	5.0	75	3.0
VW3A5504	127.5	5.0	127.5	5.0	75	3.0
VW3A5505	191	7.5	196	7.7	123.9	4.9
VW3A5506	191	7.5	196	7.7	123.9	4.9

