

	www.basler.com +1 618.654.2341 (USA) info@basler.com	Subject
		CE Compliance Accessory Kit Application SGC-150, SMC-150

INTRODUCTION

Accessory kit part number 9576530100 is used when making SGC-150 or SMC-150 connections to ensure electromagnetic compatibility (EMC) in an installation requiring CE compliance. This kit consists of a three-phase line filter that is applied to the SGC-150 or SMC-150 operating power input and a ferrite choke that is applied to the SGC-150 or SMC-150 field power output.

LINE FILTER INSTALLATION

Install the line filter using the following mounting and connection guidelines.

Mounting

Mount the line filter:

- In a location where the ambient temperature remains within 32 to 104°F (0 to 40°C)
- Using the outline dimensions shown in Figure 1. Dimensions are shown in inches with millimeters in parenthesis.
- With four 10-32 screws. The recommended torque range for the screws is 25 to 35 in-lb (2.8 to 4.0 N•m).

Net line filter weight is 2.2 pounds (1.0 kilogram).

Connections

Figure 2 illustrates typical line filter connections between the operating power source and the SGC-150/SMC-150.

Input and output connections are made with compression terminals. Each terminal accommodates a maximum conductor size of 8 AWG or 10 mm². When securing each conductor, apply no more than 10.6 in-lb (1.2 N•m) of torque.

Ground connections are made with threaded M5 studs. When securing the line filter ground connections, apply no more than 1.6 ft-lb (2.2 N•m) of torque.

FERRITE CHOKE INSTALLATION

The ferrite choke is installed on the field power conductors connected at SGC-150/SMC-150 terminals TB1-1 and 2. The ferrite choke has a split core that can be opened and then secured over the conductors without disturbing the existing connections.

Form one loop in the two field power conductors as close to the SGC-150/SMC-150 terminals as practical. Place the ferrite choke over the loop and clamp it in place. Figure 3 illustrates the ferrite choke installed on the field power conductors.

Publication	Revision	<i>Instructions</i>	Date	Copyright
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ILLUSTRATIONS

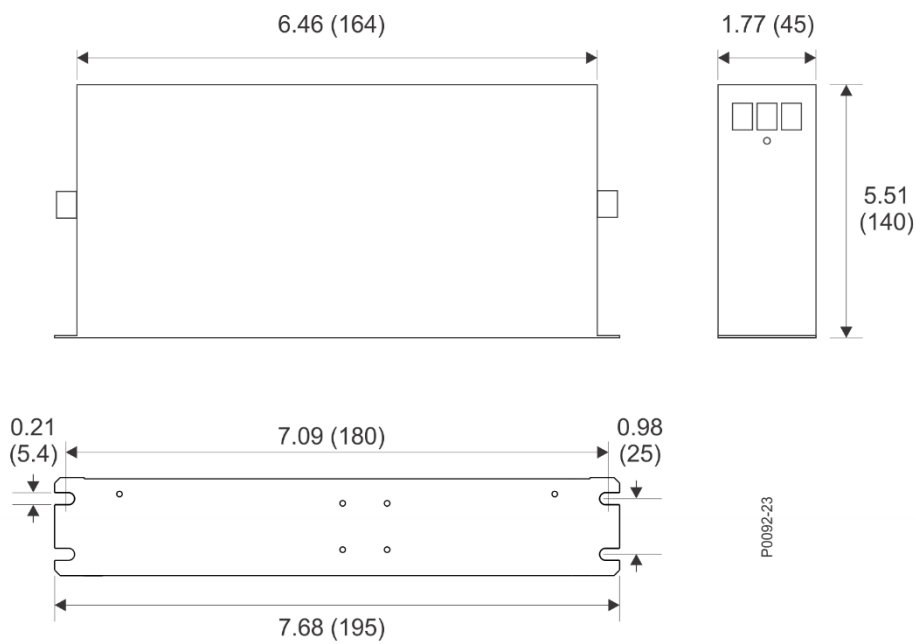


Figure 1. Line Filter Mounting Dimensions

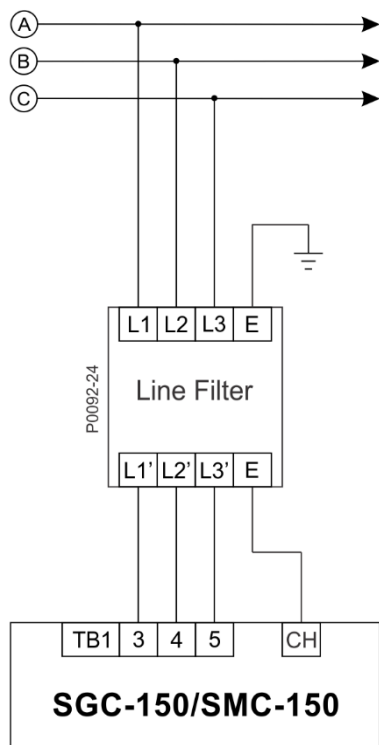


Figure 2. Line Filter Connections

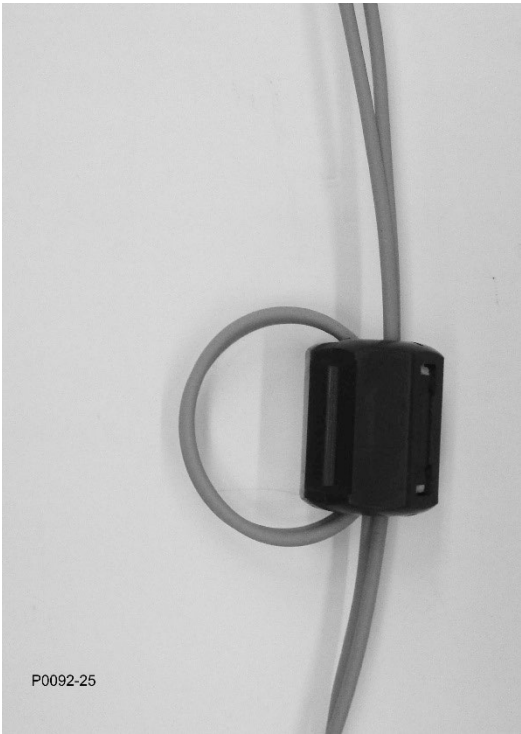


Figure 3. Ferrite Choke Installation Detail