

Datasheet

ConverterTec replacement for GE 1.X Non-ESS/ESS phase modules

Applicable items:

I-07460 - Phase module – GE 1.x non-ESS, line side

I-07461 - Phase module – GE 1.x non-ESS, rotor side

I-07462 - Phase module – GE 1.x ESS, line side

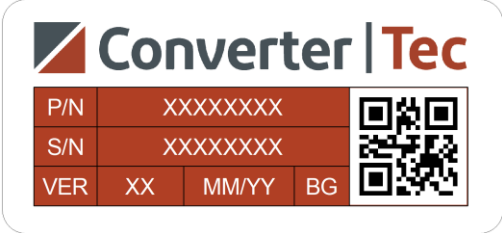
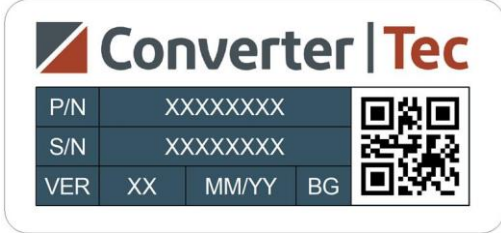
I-07463 - Phase module – GE 1.x ESS, rotor side

Version “A”

June 2025

1. Overview

1.1. Label designation

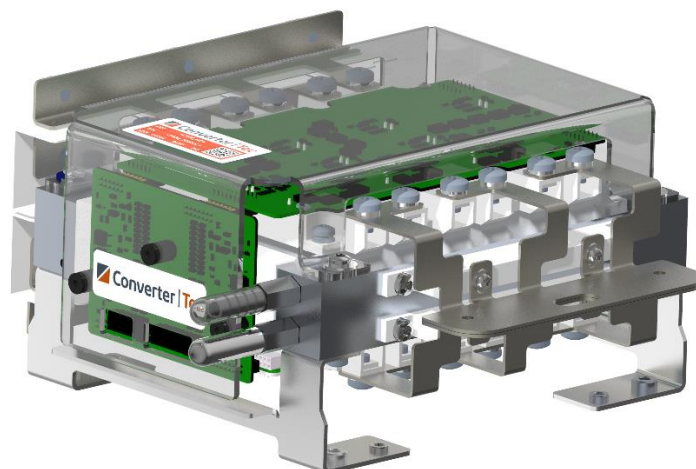
Non-ESS		ESS	
			

1.2. Module types

1.2.1. I-07460 - Phase module – GE 1.x non-ESS line side



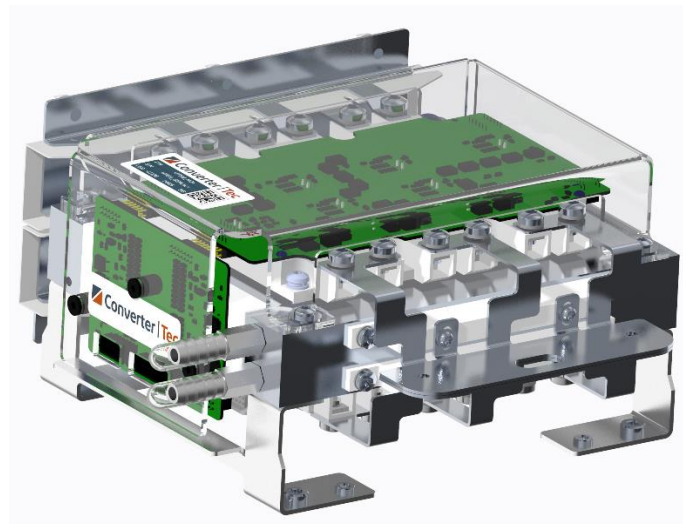
1.2.2. I-07461 - Phase module – GE 1.x non-ESS rotor side



1.2.3. I-07462 - Phase module - GE1.x ESS line side



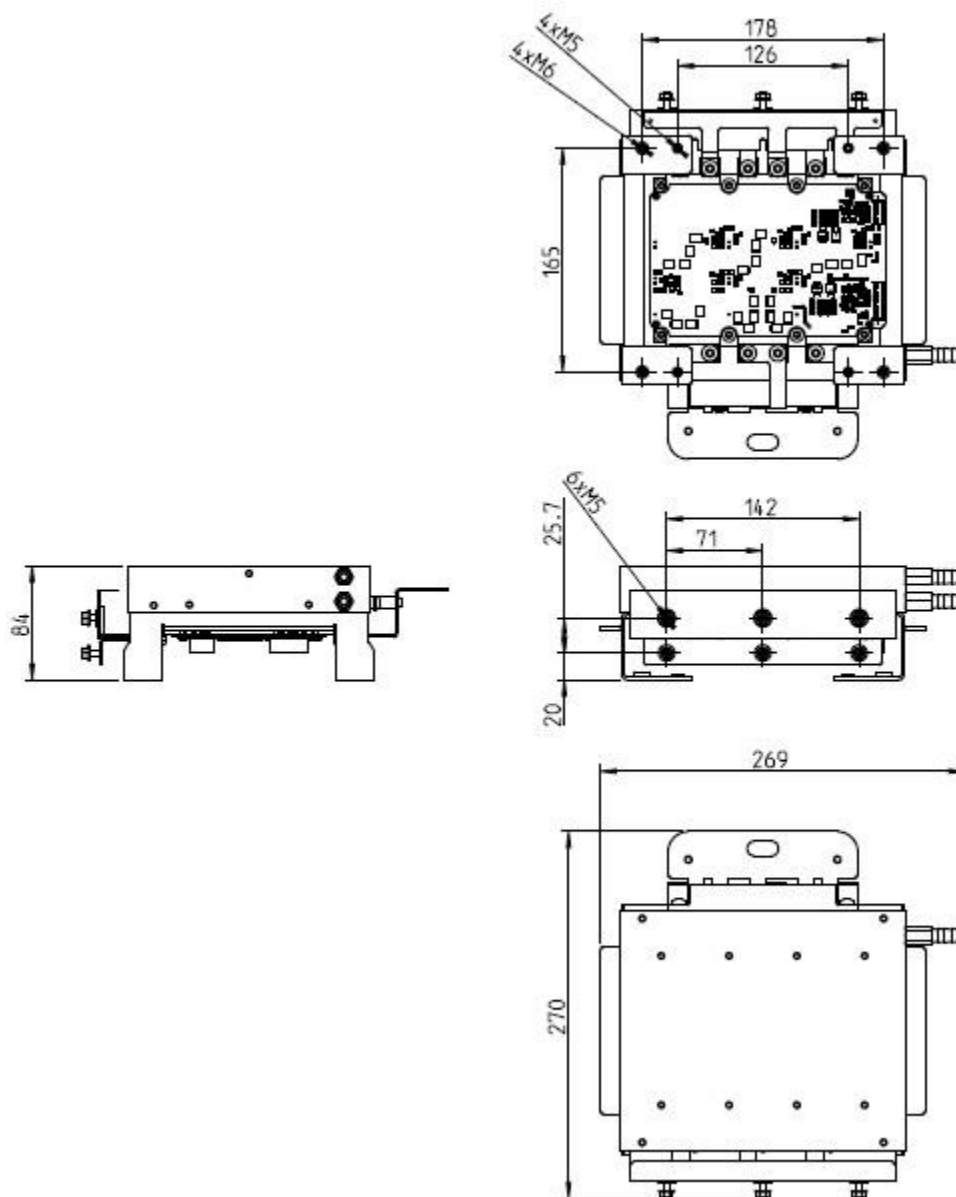
1.2.4. I-07463 - Phase module – GE 1.x ESS rotor side



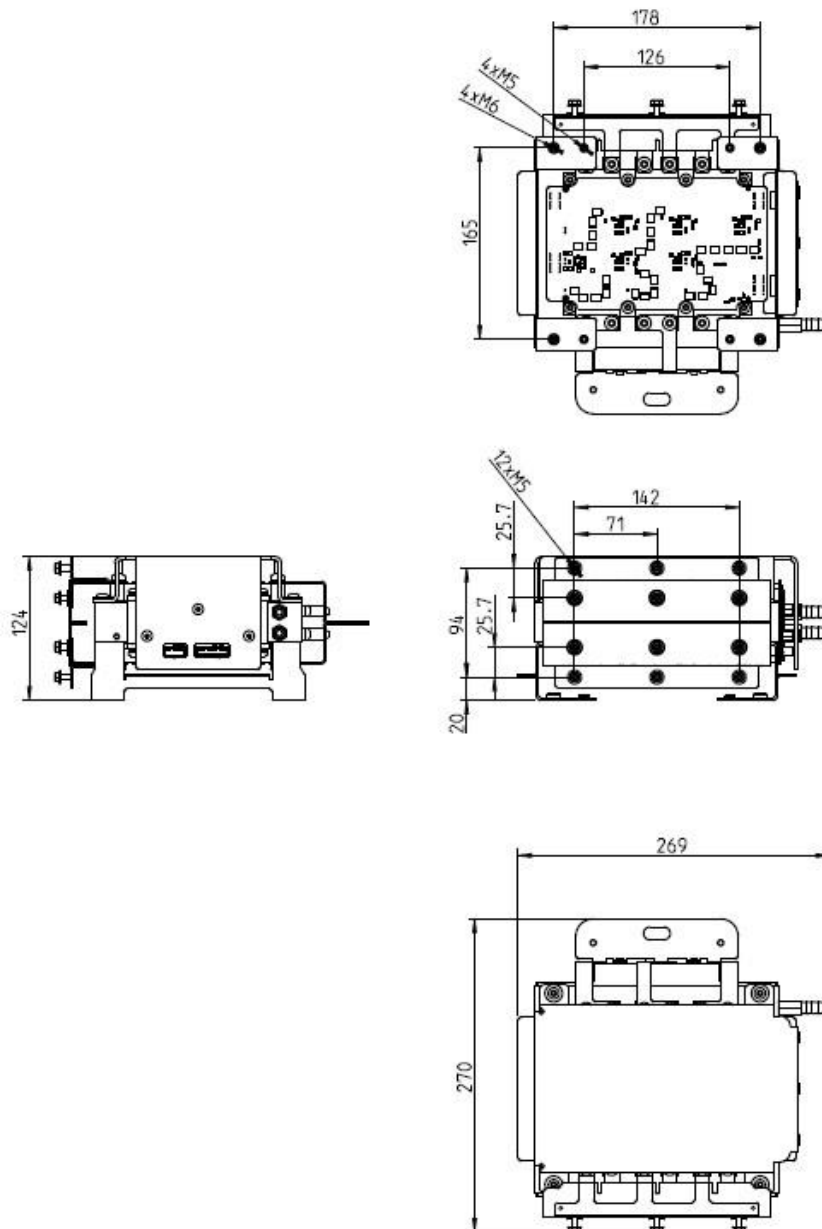
2. Technical data

2.1. Mechanical dimensions

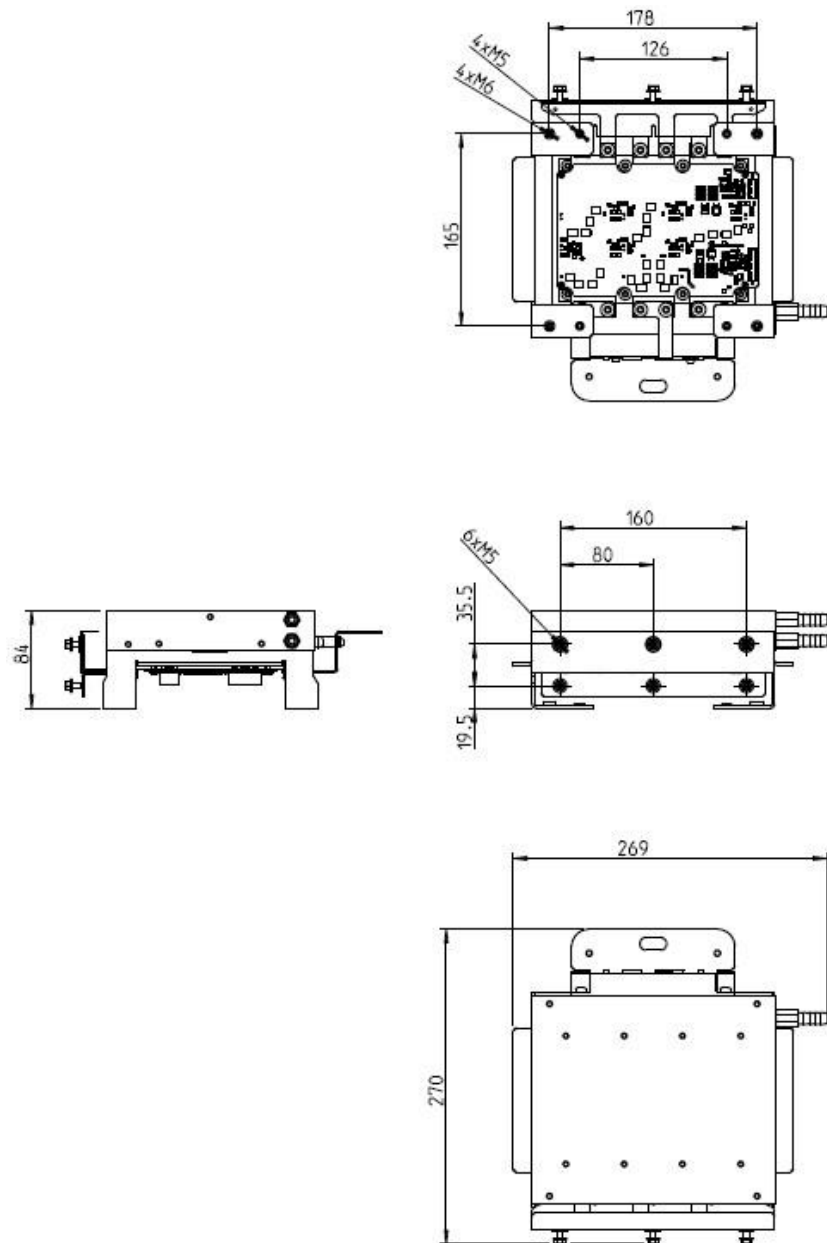
2.1.1. I-07460 - Phase module – GE 1.x non-ESS line side



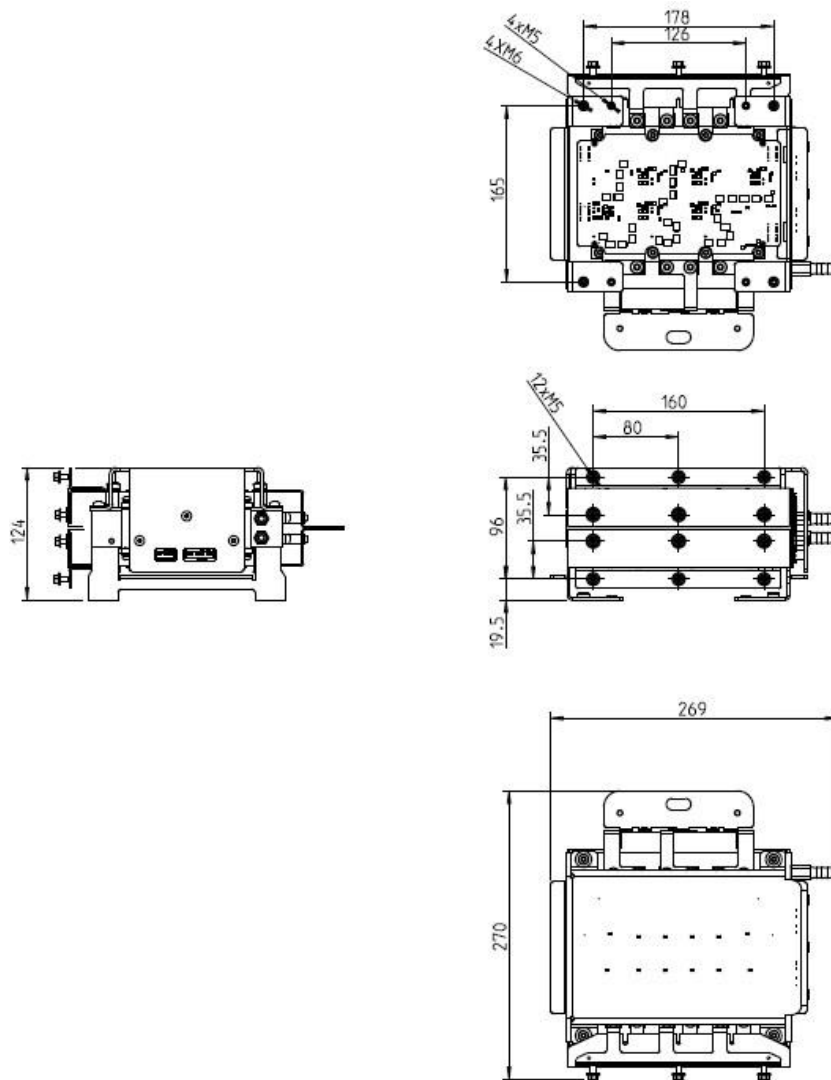
2.1.2. I-07461 - Phase module – GE 1.x non-ESS rotor side



2.1.3. I-07462 - Phase module – GE 1.x ESS line side



2.1.4. I-07463 - Phase module – GE 1.x ESS rotor side



2.2. Electrical characteristics

Technical data / module	Value
Module type	Single phase module
Module topology	2 level
Weight	Line side: ~7kg, rotor side: ~9kg
Semiconductor type	IGBT
Operating frequency range	Line side: 50/60Hz, Rotor side: 0-60Hz
Grid voltage	600/690 Vac
Rated output current, continuous	340Arms (Line), 640Arms (Rotor)
1 min overload	450Arms (Line), 900Arms (Rotor)
10 sec overload	600Arms (Line), 1200Arms (Rotor)
1 sec overload	900Arms (Line), 1800Arms (Rotor)
DC nominal voltage	1100 Vdc
Ambient operating temperature	-30°C to 45°C

3. Compatibility

CT No	I-07460 Non-ESS Line	I-07461 Non-ESS Rotor	I-07462 ESS Line	I-07463 ESS Rotor
GE equivalent*	107W7460P001	107W7461P001	107W7462P001	107W7463P001
	104W4628P001	104W4629P001	104W5419P001	104W5420P001
	107W7458P001	107W7459P001		

*Commercial designation of GE