PRODUCT NOTICE

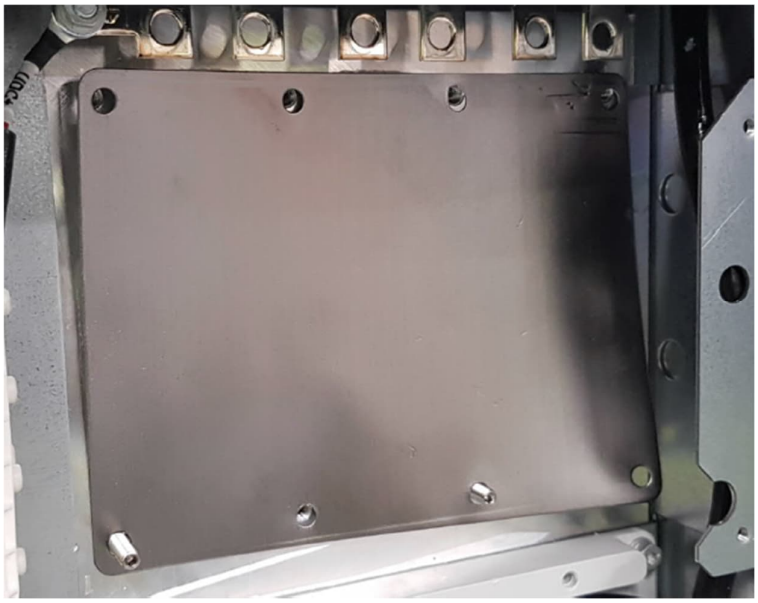
ACS800 EconoPACK+ IGBT modules to TIM foil

Overview

TIM foils or otherwise known as graphite sheet have been introduced in use in ACS800 modules using EconoPACK+ IGBT as part of normal continuous improvements in the ACS800 product family. Benefits of using TIM foils in comparison to thermal grease are easier installation and more durable heat transferring properties for longer periods of time. Durability particularly improved in a cyclic application.

Where and how to use

TIM foils are used to transfer the heat generated in the IGBT's to the heatsink. Full instructions on how to install TIM foils is described in document delivered with TIM IGBT spare part kits. It's possible to use a mix of IGBT's with thermal grease and TIM foils. In parallel connected R8i modules it's also possible to use a mix of modules using TIM foils and thermal grease.



Picture 1. TIM foil on R8i heatsink

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TIM implementation history for ACS800 modules using EconoPACK+ IGBTs (whole module production):

ACS800-104 R7i & R8i (Industrial)	1.1.2023
ACS800-104LC R7i & R8i (Industrial & Wind)	1.1.2024
ACS800-04 R7 & R8	22.1.2024
ACS800-104 R8i (Wind)	1.3.2024

All ACS800 EconoPACK+ module repairs in DSW: s are done with TIM foil.

Spare part IGBT kits are updated with TIM foil and the thermal grease has been removed. Note that this is a running change during Q2 2024 as the earlier IGBT-kits with grease are consumed first from the stocks.

IGBT MODULE KIT	FS450R12KE3/AGDR-61C S	64635875
IGBT MODULE KIT	FS300R17KE3/AGDR-66C S	64717839
IGBT MODULE KIT	FS300R12KE3/AGDR-62C S	64717812
IGBT MODULE KIT	FS450R17KE3/AGDR-61C S	64783831
IGBT MODULE KIT	FS225R12KE3/AGDR-71C S	68569303
IGBT MODULE KIT	FS300R12KE3/AGDR-72C S	68569541
IGBT MODULE KIT	FS450R12KE3/AGDR-71C S	68569354
IGBT MODULE KIT	FS225R17KE3/AGDR-76C S	68569583
IGBT MODULE KIT	FS300R17KE3/AGDR-76C S	68569362
IGBT MODULE KIT	FS450R17KE3/AGDR-71C S	68569591
IGBT MODULE KIT	FS450R17KE3/AGDR-72C S	68569427
IGBT MODULE KIT	FS300R12KE3/AGDR-71C S	68569346
IGBT MODULE KIT	FS450R17OE4/AGDR-71C S TIM FOIL SP	3AXD50000948185

TIM foils can also be ordered separately:

3AXD50000724666	used in ACS800-104(LC) R7i & R8i

For correct TIM foil kit check Drives Installed Base recommended spare parts section. Refresh the spare part section to get the latest recommendations.

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