

## PRODUCT NOTICE

# Industrial air-cooled ACS800-104 R7i & R8i to TIM foil

**Overview**

TIM foils or otherwise known as graphite sheet have been introduced in use in ACS800 R7i & R8i industrial air-cooled modules 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. In R8i module 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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New ACS800 R7i & R8i industrial air-cooled modules have been built using TIM foils since 1.10.2022, when ordering the module through BOL Drives Configurator. Current industrial air-cooled ACS800 R7i & R8i module fixed codes are available until 31.12.2022 and are delivered with the thermal grease. All industrial air-cooled ACS800 R7i & R8i module orders will be available only through BOL Drives Configurator starting 1.1.2023.

NOTE: Spare part wind specific modules with fixed codes will continue to be available and are delivered with thermal grease and the wind specific DSW module repairs and other services continue to use thermal grease until further notice.

All industrial air-cooled ACS800 R7i & R8i module repairs in Helsinki DSW are done with TIM foil. DSW: s global implementation date for TIM foil is 1.11.2022.

All spare part IGBT kits for R7i & R8i have been available with TIM foils since 1.10.2022.

Spare part IGBT kits with TIM foils:

|                 |                                    |                 |
|-----------------|------------------------------------|-----------------|
| IGBT MODULE KIT | FS450R12KE3/AGDR-61C S TIM FOIL SP | 3AXD50000951369 |
| IGBT MODULE KIT | FS300R17KE3/AGDR-66C S TIM FOIL SP | 3AXD50000951376 |
| IGBT MODULE KIT | FS300R12KE3/AGDR-62C S TIM FOIL SP | 3AXD50000951383 |
| IGBT MODULE KIT | FS450R17KE3/AGDR-61C S TIM FOIL SP | 3AXD50000951390 |
| IGBT MODULE KIT | FS225R12KE3/AGDR-71C S TIM FOIL SP | 3AXD50000951406 |
| IGBT MODULE KIT | FS300R12KE3/AGDR-72C S TIM FOIL SP | 3AXD50000951628 |
| IGBT MODULE KIT | FS450R12KE3/AGDR-71C S TIM FOIL SP | 3AXD50000951635 |
| IGBT MODULE KIT | FS225R17KE3/AGDR-76C S TIM FOIL SP | 3AXD50000951642 |
| IGBT MODULE KIT | FS300R17KE3/AGDR-76C S TIM FOIL SP | 3AXD50000951659 |
| IGBT MODULE KIT | FS450R17KE3/AGDR-71C S TIM FOIL SP | 3AXD50000951666 |

TIM foils can also be ordered separately:

3AXD50000724666 used in ACS800-104 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.