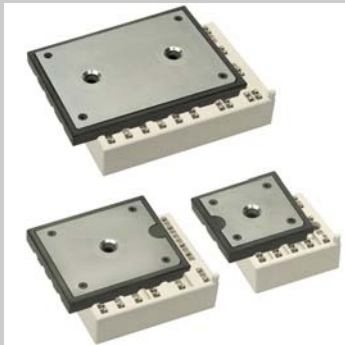


Power Modules



NEW MiniSKiiP[®] IGBT4 PACK Modules

MiniSKiiP[®] PACK modules with latest IGBT4 Chip Technology

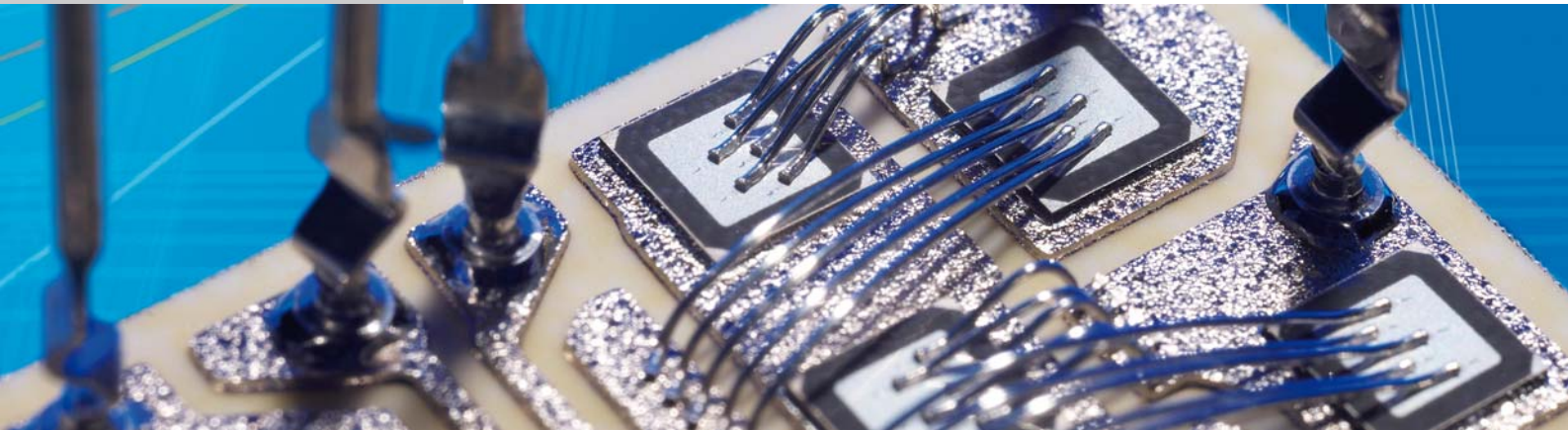
Vincotech expands its MiniSKiiP[®] Pack module range with IGBT4 versions covering 8 A to 150 A for 1200 V in three different housings. The Vincotech MiniSKiiP[®] PACK modules are a perfect second source to Semikron's product range or an excellent first choice for your application.

General Feature and advantages:

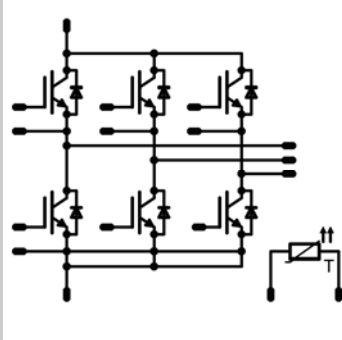
- **SixPack (inverter) topology** – easy integration in motor drive applications
- **Latest IGBT4 chip technology** – increased chip temperature and improved EMI characteristics for a longer lasting product
- **Solder less interconnection** – carefree assembly process
- **Designed for motor drives up to 40 kW** – wide range of applications
- **Pin-compatible with previous versions** – simple migration to latest technology
- **Fully compatible with Semikron pedants** – immediate second source access
- **Temperature sensor** – avoidance of overheating and therefore destruction
- **17mm housing** – more real estate for components below
- **Option with pre-applied thermal grease** – perfectly prepared junction to your heat sink

The new MiniSKiiP[®] PACK modules utilize the latest IGBT4 chip technology from Infineon for improved EMC behavior. These new modules are offered in three different sizes targeting motor drive applications up to 40 kW.

- MiniSKiiP[®] size 1 (42 x 40 mm²) - covering 8 A 1200 V to 25 A 1200 V
- MiniSKiiP[®] size 2 (59 x 52 mm²) - covering 35 A 1200 V to 70 A 1200 V
- MiniSKiiP[®] size 3 (82 x 59 mm²) - covering 75 A 1200 V to 150 A 1200 V



Power Modules



These MiniSKiiP[®] PACK Modules provide a 3-phase output inverter (SixPack topology) and an additional thermistor for temperature measurement. Vincotech offers all its MiniSKiiP[®] PACK products on request with pre-applied thermal grease for easy use and a perfect junction to the heat sink and in two different heights. The Vincotech MiniSKiiP[®] PACK Modules are pin-compatible to the previous versions of modules providing a quick upgrade possibility. They are fully compatible with their equivalent out of the Semikron portfolio. The cross reference is shown below and is also available on Vincotech's homepage. Here data sheets and application notes are posted for download, too. The MiniSKiiP[®] PACK Modules are in series production; samples can be ordered via the standard sales channels.

MiniSKiiP[®] PACK IGBT4 Modules Overview:

MiniSKiiP[®] 2nd Generation IGBT4 Versions - Size 1

Part. No.:	Voltage	Current	Semikron Equivalent
V23990-K218-F40-PM	1200 V	8 A	SKiiP 11 AC 12T4V1
V23990-K219-F40-PM	1200 V	15 A	SKiiP 12 AC 12T4V1
V23990-K210-F40-PM	1200 V	25 A	SKiiP 13 AC 12T4V1

MiniSKiiP[®] 2nd Generation IGBT4 Versions - Size 2

Part. No.:	Voltage	Current	Semikron Equivalent
V23990-K238-F40-PM	1200 V	35 A	SKiiP 24 AC 12T4V1
V23990-K239-F40-PM	1200 V	50 A	SKiiP 25 AC 12T4V1
V23990-K230-F40-PM	1200 V	70 A	SKiiP 26 AC 12T4V1

MiniSKiiP[®] 2nd Generation IGBT4 Versions - Size 3

Part. No.:	Voltage	Current	Semikron Equivalent
V23990-K438-F40-PM	1200 V	75 A	SKiiP 37 AC 12T4V1
V23990-K439-F40-PM	1200 V	100 A	SKiiP 38 AC 12T4V1
V23990-K430-F40-PM	1200 V	150 A	SKiiP 39 AC 12T4V1