Application Driven *CompactPCI* Telecom Handles...

TYPE VII

For front panels, please reference the Rittal *CompactPCI* catalog (page 21).

This generation of telecom handles was designed to meet applications which do not use the module front panel as the major I/O interface, as typically found in telecommunication applications.

The design, however, is based on the *CompactPCI* injector/extractor handle design and includes all the *CPCI* features, except for limiting the module front panel I/O space. One important additional feature has been added–namely the PCB can be shifted by 0.1" (2.54mm) to increase offset component side 2 of the PCB (by decreasing the component side 1 of the same amount). This requires the corresponding PCB guide rails to be offset by the same amount. This feature has been implemented in the PICMG 2.11 Power Interface Specification. Two versions of this Type VII telecom handle are available.

Version I Type VII telecom handles are made of durable plastic and reduce the module front panel I/O space by approximately 2.13" (54mm) when using a top and bottom mounted handle. The maximum injection/extraction force for a pair of these Version I Type VII telecom handles is approximately 118 lbs./525N force–typically 6U *CPCI*. Since it is made of plastic, the life expectancy is limited (approximately 200 insertion/extraction cycles depending on the quality interface of the module handle/connector features).

Version II Type VII telecom handles are made of metal and have an almost unlimited life expectancy. However, the module front panel I/O space is reduced by 2.76" (70mm) when using a top and bottom mounted handle. The maximum insertion/extraction force for a pair of these Version II Type VII telecom handles is approximately 190 lbs./835N force–typically 9U *CPCI*. Please note: when designing in such high injection/extraction forces, attention is to be paid to the overall mechanical system design and especially to the backplane design.

Two versions are available:

Version I: Plastic — suitable for both standard and offset

Version II: Metal — suitable for both standard and offset

Features and Benefits

- Compliance with *CPCI*, VME64x and VIPA (front panel I/O reduced)
- PICMG 2.11 compliance
- PCB offset by 0.1" (2.54mm) for increased component side 2 space
- Keying chambers
- Positive lock for hot swap
- Alignment pin for ESD protection and 30A GND connection (UL recognized)
- Microswitch option
- Labeling option
- Multiple handle tying/ganging pin option

***CompactPCI* TypeVII Handles**				
Version	Color	Position	Packs of	**Part No.**
I	Black	Top	1	**3686134**
I	Black	Bottom	1	**3686135**
II	Silver	Top	1	**3687927**
II	Silver	Bottom	1	**3687928**

Configuration

Handle assembled with one front panel mounting screw (M2.5 x 6)

Options:

- Module retention screw
- Microswitch
- Handle tying/ganging pin for double/triple wide modules
- Front panels and front panel service (please inquire)

Material:

Version I: Plastic

Version II: Metal

Color:

Version I: Black

Version II: Silver metal

Optional module retention screw	**Part No. 3687051**	100 pcs. (M2.5 x 11)
Optional multiple handle tying/ganging pin	**Part No. 3686935**	1 pc. (min. order qty – 20 pcs.)
Optional PCB mounting screw	**Part No. 3654320**	100 pcs. (M2.5 x 8)
Optional microswitch	See *CompactPCI* catalog page 20	
Microswitch assembly	**Part No. 3686536**	1 assembly
Through-hole mounted PCB header	**Part No. 3686537**	1 pc. (min. order qty – 10 pcs.)
Surface mounted PCB header	**Part No. 3686541**	1 pc. (min. order qty – 10 pcs.)