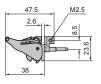


Identification strips

for type I, II extractor handle and type IV injector/extractor handle Width 4 HP

Packs of	Model No. RP
100	3684.328





Injector/extractor handle type IVs

with push-button

For inserting and removing connectors with a large number of pins. A metal insert ensures reliable functioning, even at forces of up to 815 N.

- Insertion/removal function
- Push-button for locking and unlocking the • board type plug-in unit (cannot be extracted in the locked position) • Optionally with $1/_2$ HP offset PCB attachment,
- e.g. for component mounting on both sides
- Optional integral micro-switch for "live insertion" applications
- · ESD pin to dissipate static charges before contacting the connectors and for precise positioning of the board type plug-in unit
- Codeable
- Integral PCB attachment · Bayable.

Material:

Plastic/metal

Supply includes:

Assembly parts.

Note:

- Insertion only when used with front horizontal rails, with 10 mm extension (B),
- With 3 U front panels, only one extractor handle is required.

Handles without offset

Installation	Packs of	Model No. RP
top	1	3688.770
bottom	1	3688.771

Handles with 1/2 HPoffset

Installation	Packs of	Model No. RP
top	1	3688.772
bottom	1	3688.773

┿ Accessories:



Keyable guide rails Keyable guide rails with 1/2 HP offset Micro-switches Connector pin for baying



Connection pin for injector/extractor handles, types IV, IVs and VII The connection pin can be used to connect injector/extractor handles, types IV, IVs and VII.

Material: Steel

Packs of	Model No. RP
20	3685.319

Injector/extractor handles





Injector/extractor handle type VII

Plastic (telecom)

For inserting and removing connectors with a large number of pins. This handle was specifically designed for use in telecom applications.

- Insertion/removal function
- Optionally with ¹/₂ HP offset PCB attachment, e.g. for component mounting on both sides
- Minimum front space requirements, due to fold-up handle
- Codeable
- Optional integral micro-switch for "live insertion" applications
- ESD pin to dissipate static charges prior to making contact with the connectors and for precise positioning of the board type plug-in unit
- Large labelling area on the front.

Material:

Plastic

Supply includes: Assembly parts.

Note:

Insertion only when used with front horizontal rails, with 10 mm extension (B),

Handles without offset

Installation	Packs of	Model No. RP
top	1	3688.784
bottom	1	3688.785

Handles with 1/2 HPoffset

Installation	Packs of	Model No. RP
top	1	3688.780
bottom	1	3688.781

+ Accessories:

Keys,

Keyable guide rails Keyable guide rails with ¹/₂ HP offset Micro-switches Connector pin for baying





Injector/extractor handle type VII

Metal (telecom)

For inserting and removing connectors with a large number of pins (up to 815 N). This handle was specifically designed for use in telecom applications.

- Insertion/removal function
- Optionally with ¹/₂ HP offset PCB attachment, e.g. for component mounting on both sides
- Minimum front space requirements, due to fold-up handle
- Codeable
- Optional integral micro-switch for "live insertion" applications
- ESD pin to dissipate static charges prior to making contact with the connectors and for precise positioning of the board type plug-in unit
- Metal design for use in aggressive atmospheres.
 Material:

Die-cast zinc

Die-cast zinc

Supply includes: Assembly parts.

Note:

Insertion only when used with front horizontal rails, with 10 mm extension (B),

Handles without offset

Installation	Packs of	Model No. RP
top	1	3688.790
bottom	1	3688.791

Handles with 1/2 HPoffset

Installation	Packs of	Model No. RP
top	1	3688.786
bottom	1	3688.787

Accessories:

Keys

Keyable guide rails Keyable guide rails with ¹/₂ HP offset Micro-switches Connector pin for baying



Micro-switch

For "live insertion" applications. Installation in injector/extractor handles, types IV, IVs and VII. May also be retrofitted.

Technical specifications: Switching load: 50 mA 30 V DC Service life/switching cycles: At nominal load: 30,000 mechanical: 50,000

Packs of	Model No. RP
10	3684.410

Also required:

Micro-switch mounting clip

Model No. RP



Micro-switch

with cable and connector For "live insertion" applications. Installation in injector/extractor handles, types IV IVs and VII.

Supply includes: Micro-switch, connector type Molex 51021-0300, mounting clips, 3 cables, 25 mm x #32 AWG, fully assembled.

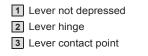
	1 set	3686.536
IV,		

Also required:

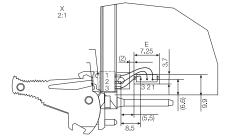
Packs of

Micro-switch mounting clip

Micro-switch:with cable and connector



3 2 1-2 micro-switch levers depressed Injector/extractor handle in latch position 1.3 micro-switch levers not depressed Injector/extractor handle unlatched





Micro-switch mounting clip

Plastic covers

for PCBs

version.

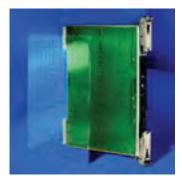
For mounting micro-switches in handles.

For mechanical protection of the component side and of the EMC gaskets.

Attachment holes as per CPCI or VME-specifications. Optionally available as perforated or solid

Packs of	Model No. RP
10	3684.411





rsion.	maximum temperature up to 120°C				
		Model No. RP			
For PCBs	Packs of		for cPCI		for VME
		perforated 1)	solid ¹⁾	solid	solid
211 × 100 mm	1	3687.932	3686.572	3685.966	3685.626
3U x 160 mm	5	_	-	-	3685.279
3U x 220 mm	1	-	-	-	3685.805
	5	_	-	-	3685.266
6U x 80 mm	1	3687.933	3686.573	3686.037	3686.146
6U x 160 mm	1	3687.934	3686.574	3685.967	3685.627
	1	9905.574 ²⁾	9905.990 ²⁾	-	-
	5	-	-	-	3685.280
6U x 220 mm	1	_	-	-	3685.824
	5	_	-	-	3685.000

_

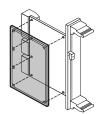
Material:

0.3 mm plastic, anti-static

Maximum temperature up to 65°C

1) 0.5 mm plastic, transparent, anti-static

UL 94-V0, maximum temperature up to 65°C ²⁾ 0.5 mm plastic, black, anti-static UL 94-V0,



Also required: Required for mountin

Required for mounting the perforated cPCI covers:

Mounting clips

Packs of	Model No. RP
100	3687.955



Universal holder for front panel support

Material: Nickel-plated plastic

HP	Packs of	Model No. RP
4	1	3687.545



Flat front panels

with type V handle and PCB holder Complete modular systems

Material:

Front panel: 2.5 mm Aluminium, natural anodised Handle: Aluminium, natural anodised PCB holder: Polycarbonate

- Supply includes: 1 front panel, 1 handle (2 with 6 U), 1 PCB holder (2 with 6 U),
- assembly parts.

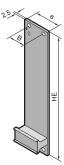
	а	W (B)	Model	No. RP
ΗP	mm	mm	3U H = 128.7	6U H = 262.05
3	14.9	-	3652.000	3652.200
4	20.0	-	3652.010	3652.210
5	25.1	-	3652.020	3652.220
6	30.1	-	3652.030	3652.230
7	35.2	-	3652.040	3652.240
8	40.3	-	3652.050	3652.250
10	50.5	35.6	3652.060	3652.260
12	60.6	45.7	3652.070	3652.270
14	70.8	55.9	3652.080	-

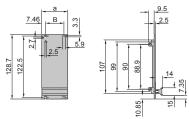
 \checkmark Available with optional metal screw collars.

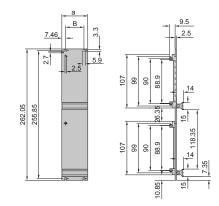


+ Accessories:

Identification strips for handles,





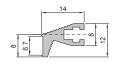




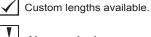


Type VI handle

Aluminium Material: Aluminium, anodised



HP	Model No. RP	HP	Model No. RP
3	3685.605	12	3685.612
4	3685.606	14	3685.613
5	3685.607	21	3685.614
6	3685.608	28	3685.615
7	3685.609	42	3685.616
8	3685.610	84	3685.617
10	3685.611	1 m	3685.618





Mounting kit packs of 1 set, Model No. RP 3687.146 (from 6 HP 2 packs required)

PCB holder kit

For attaching the PCB to front panels with handle types I, II, IV, IVs, VII.

Material: Die-cast

Note:

Only required at the top with 3U front panels.



Packs of

10

Packs of

10

For securing PCBs to PCB holders: Pan-head screws packs of 100, Model No. RP 3654.320 For attaching the front panel to the PCB holder: Oval head screw packs of 100, Model No. RP 3685.282.

Model No. RP

3685.198

Model No. RP

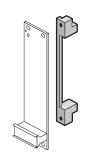
3606.330



PCB holder For front panels For attaching PCBs to front panels (handle type V, VI).

Material: Noryl

Supply includes: Assembly parts.



Front panels: for subracks Handles: for subracks



Mezzanine front panels Extruded aluminium section

For PCI mezzanine cards (PMC).

Conforms to IEEE 1386 **Material/surface finish:** Extruded aluminium section, clear-chromated

Packs of	Model No. RP
1	3688.658



Accessories:

EMC seals Assembly screws M2.5 x 6 packs of 100, Model No. RP 3654.340



Mezzanine front panels Die-cast zinc For PCI mezzanine cards (PMC).

Conforms to IEEE 1386 Material: Die-cast zinc

Packs of	Model No. RP
1	3688.659



EMC seals Assembly screws M2.5 x 6 packs of 100, Model No. RP 3654.340



Support spacers for mezzanine cards 10 mm, for mounting mezzanine cards.

Packs of	Model No. RP
1	3688.663



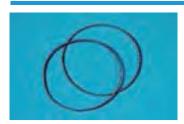
Covers

for mezzanine cut-outs

To conceal unused mezzanine cut-outs. The covers are simply clipped into the cut-outs.

Material: Stainless steel

Packs of	Model No. RP
1	3688.660



EMC seals

for mezzanine front panels

can be inserted into the all-round channel of the mezzanine front panels.

Material/surface finish:

Sealing ring made of 1.1 mm conductive carbon filled silicon, sealing gasket made from 0.18 mm (0.9 mm coil) stainless steel.

Design	Packs of	Model No. RP
Sealing ring	1	3688.661
Sealing gasket	1	3688.662

Guide rails

Model No. RP

3606.140

3606.200



Guide rails

for box type plug-in units For PCB depth 1.6 mm. For insertion into covers with vent slots (from 12 HP).

Material: Noryl

Air block panel

for unused slots

To conceal unused slots and prevent unwanted airflow. The air block panel simply snaps into position on the guide rails.

Material:

Polycarbonate, self-extinguishing to UL 94-V0 Colour: Blue

Note:

Not suitable for use in conjunction with guide rails with 1/2 HP offset.

For keyable guide rails	Packs of	Model No. RP
160 mm	1	3687.924

Packs of

10

10

For PCB depth

mm

160

220



3 2 1



1 4 2

ESD contacts

for installation in keyable guide rails. To discharge static charges.

- 1 ESD contact for guide rail For permanent direct discharge via the PCB.
- 2 ESD contact for front panel To discharge static charges in conjunction with the ESD pin. For insertion into the end piece of the guide rail.
- 3 ESD pin
- 4 Keys

Material:

- 1 Stainless steel
- 2 Tin bronze, tin-plated

ESD contact for	Packs of	Model No. RP
Guide rail	50	3684.204
Front panel	50	3684.205

Note:

Only for use in conjunction with extractor handle with ESD pin (type IV, IVs, VII),