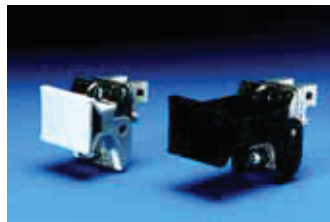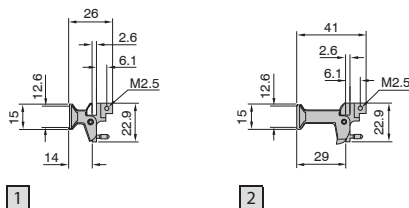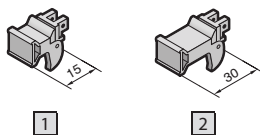# Injector/extractor handles

Extractor handle type I and type II

Suitable for flat front panels/U-channel front panels
With removal function
May be used in combination with horizontal rails with 10 mm extension.

Supply includes:
Assembly parts.

Note:
With 3 U, only one extractor handle is required.

1 Type I extractor handle, 15 mm

Colour	Packs of	Model No. RP
Grey	1	3685.587
Black	1	3685.589

2 Type II extractor handle, 30 mm

Colour	Packs of	Model No. RP
Grey	1	3685.588
Black	1	3685.590

⊞ Accessories:

Identification strips for extractor handles,
see page 595.

Injector/extractor handle type IV

Handles with micro-switch
For inserting and removing connectors with a large number of pins.
● Insertion/removal function
● Integral microswitch for "live insertion" applications
● Self-activation of the micro-switch during insertion/removal
● 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
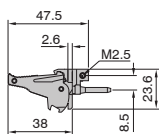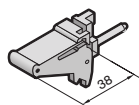● Self-locking
● Bayable.

Handle without micro-switch
Description see above. Micro-switch, may be retrofitted.

Supply includes:
1 handle without or with micro-switch, assembly parts.

Note:
● Insertion only when used with front horizontal rails, with 10 mm extension (B, B1, B2), see page 155, 156.
● With 3U front panels, only one extractor handle is required.

Handles with micro-switch

Colour	Installation	Packs of	Model No. RP
Grey	top	1	3686.905
Grey	bottom	1	3686.904
Black	top	1	3686.907
Black	bottom	1	3686.906

Handle without micro-switch

Colour	Installation	Packs of	Model No. RP
Grey	top	1	3686.901
Grey	bottom	1	3686.900
Black	top	1	3686.903
Black	bottom	1	3686.902

⊞ Accessories:

Keys
Keyable guide rails
Micro-switches
Connector pin for baying

Injector/extractor handle type IV

8 HP, bayed
Suitable for 4 HP front panels that must be connected to each other mechanically.
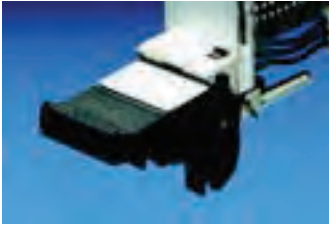
Supply includes:
2 bayed handles,
fully assembled.

Colour	Installation	Packs of	Model No. RP
Black	bottom	1	3686.908
Black	top	1	3686.909

⊞ Accessories:

Connector pin for baying,

Front panels, handles

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 inser-
  tion" applications
- ESD pin to dissipate static charges before
  contacting the connectors and for precise
  positioning of the board type plug-in unit
- Codeable
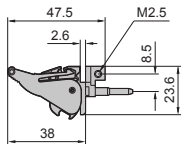- Integral PCB attachment
- Bayable.

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 $^1/_2$ HP offset

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

Accessories:

Keys,

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