DuoLine
Protection switchgear
Comb busbar connection

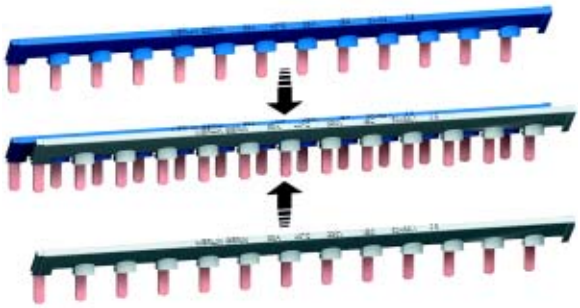
The Bar'clic comb busbar connection system allows the supply of a row of phase + neutral devices using an ID'clic residual current circuit-breaker.

Bar'clic comb busbars

Easy installation

- The phase and neutral comb busbars are independent but fit into one another so that the teeth are always in the axis of the terminals.
- The comb busbars are easily cut using pliers or a saw without disassembly.
- The comb busbars can be supplied by an ID'clic or connectors.

PB100077-76



Compact dimensions

- The shape of the comb busbars slanting 45° forward simplifies introduction of a cable into the device terminals.
- The comb busbars leave room for connection of a TL'clic impulse relay via the top.

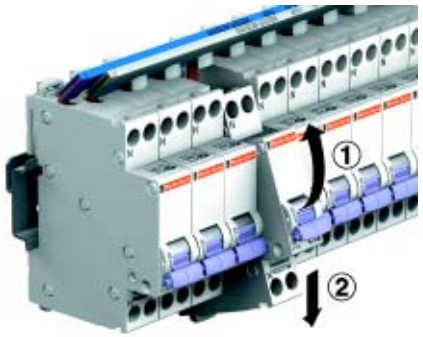
PB100161-44



Disassembling and reassembling the devices with the comb busbar in place

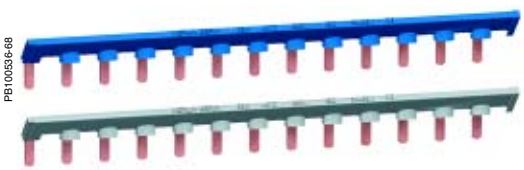
It is possible to replace a device in the middle of a row without disassembling the comb busbar. Just open the 2 top and bottom fixing latches on the device.

PB100078-55



DuoLine
Protection switchgear
Comb busbar connection







Technical data for Bar'clic comb busbars

- Current rating (Ie) at 40 °C: 63 A
- Rated insulation voltage: 250 V AC
- Short-circuit current withstand: compatible with the breaking capacity of D'clic and D'clic Vigi circuit-breakers.

Catalogue numbers

Description	Colour	Width in modules of 9 mm	Cat. No.
Bar'clic comb busbars	Grey	26	**14878**
		104	**14918**
	Bue	26	**14879**
		104	**14919**
Set of 12 teeth-shields		6	**21096**
Set of 25 mm² connectors	2 grey + 2 blue		**14875**

DuoLine
Protection switchgear
Comb busbar connection

PB100081-32



ID'clic residual current circuit-breakers

Functions
- Control.
- Protection of persons against direct or indirect contact (30 mA).
- Protection of electrical installations against insulation faults.

Technical data
- NF approved.
- Comply with standard NF-EN 61008.
- Connection:
  - input (power supply) by cables: 16mm² tunnel terminals for 25 and 40 A ratings; 35 mm² tunnel terminals for 63 A rating
  - output for direct distribution by Bar'clic comb busbar: 16 mm² comb busbars.

Catalogue numbers

Type	Width in modules of 9 mm	Rating (A) at 30 °C	Type	Cat. No.
1P + N 30 mA	4	25	AC	**23157**
		40	AC	**23160**
			A (1)	**23158**
			si (2)	**23161**
	6	63	AC	**23162**
			A (1)	**23156**

(1) *Type A: designed to detect leakage currents containing DC components. Recommended to protect specialised circuits supplying washing machines, dish-washers or hotplates.*
(2) *Type si: recommended when the installation is protected by a surge arrester or when continuity of supply is essential (deep freezer, etc.).*

PB100083-23



D'clic circuit-breakers

Functions
- Control.
- Protection against overloads and short-circuits.

Technical data
- NF approved.
- Breaking capacity as per NF-EN 60898: 3000 A.
- Limitation class as per NF-EN 60898: 3.
- Free marking zone to stick a label on the front face.
- Connection:
  - input by Bar'clic comb busbar
  - output by cables: 16mm² tunnel terminals.

Catalogue numbers

Type	Width in modules of 9 mm	Rating (A) at 30 °C	Cat. No.
1P + N	2	2	**20724**
		6	**20723**
		10	**20725**
		16	**20726**
		20	**20727**
		25	**20728**
		32	**20729**

DuoLine
Protection switchgear
Comb busbar connection

PB100084-32



D’clic Vigi residual current devices

Functions

- Control.
- Protection against overloads and short-circuits.
- Protection of persons against direct or indirect contact (30 mA).
- Protection of electrical installations against insulation faults.
- Recommended for protection of risky feeders: garages, basements, kitchens, freezers.

Technical data

- NF approved.
- Comply with standard NF-EN 61009.
- Breaking capacity as per NF-EN 60898: 3000 A.
- Limitation class as per NF-EN 60898: 3.
- Free marking zone to stick a label on the front face.
- Connection:
  - Input by Bar’clic comb busbar
  - Output by cables: 16mm² tunnel terminals.

Catalogue numbers

Type	Width in modules of 9 mm	Rating (A) at 30 °C	Type	Cat. No.
1P + N 30 mA	4	10	AC	**20552**
		16	AC	**20553**
			si (1)	**20569**
		20	AC	**20554**
			si (1)	**20574**
		25	AC	**20555**
		32	AC	**20564**

(1) *Type si: recommended when the installation is protected by a surge arrester or when continuity of supply is essential (deep freezer, etc.).*

PB101151-23



R'clicXE plug-in connector

Functions

This phase and neutral plug-in connector is used to:

- supply the Distri'clicXE distribution block (with or without connector) on which it is plugged in
- supply from the Distri'clicXE distribution block another row or other non plug-in devices
- supply Bar'clic comb busbars from a Distri'clicXE distribution block (without connector)
- combine in the same switchboard the D'clicXE circuit-breakers with plug-in connection and the D'clic circuit-breakers with comb busbar connection.

Technical data

- Connection:
  - input/output (power supply) by plug in on the Distri'clicXE distribution block
  - output/input by cables: 16mm2 tunnel terminals.
- Delivered with 2 self-adhesive labels indicating the supply direction

Catalogue numbers

Description	Width in modules of 9 mm	Rating (A)	Cat. No.
R'clicXE plug-in connector (set of 2)	2	63	**16720**

Control and monitoring switchgear: module 90024.
Additional technical data: module 91922.

DuoLine
Protection switchgear
Comb busbar connection

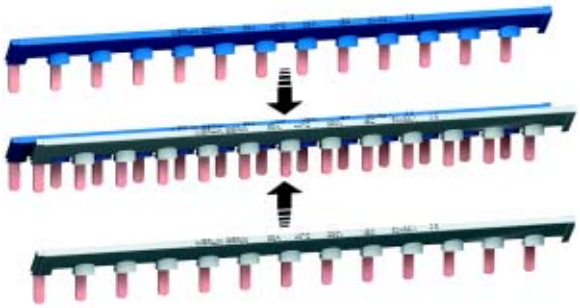
The Bar'clic comb busbar connection system allows the supply of a row of phase + neutral devices using an ID'clic residual current circuit-breaker.

Bar'clic comb busbars

Easy installation

- The phase and neutral comb busbars are independent but fit into one another so that the teeth are always in the axis of the terminals.
- The comb busbars are easily cut using pliers or a saw without disassembly.
- The comb busbars can be supplied by an ID'clic or connectors.

PB100077-76



Compact dimensions

- The shape of the comb busbars slanting 45° forward simplifies introduction of a cable into the device terminals.
- The comb busbars leave room for connection of a TL'clic impulse relay via the top.

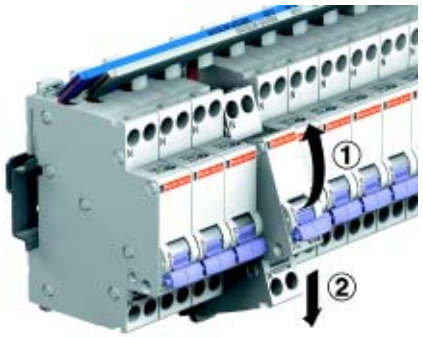
PB100161-44



Disassembling and reassembling the devices with the comb busbar in place

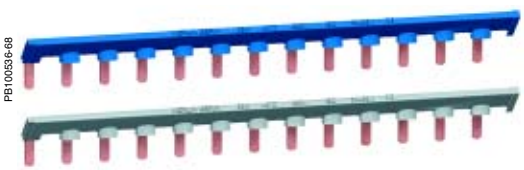
It is possible to replace a device in the middle of a row without disassembling the comb busbar. Just open the 2 top and bottom fixing latches on the device.

PB100078-55



DuoLine
Protection switchgear
Comb busbar connection







Technical data for Bar'clic comb busbars

- Current rating (Ie) at 40 °C: 63 A
- Rated insulation voltage: 250 V AC
- Short-circuit current withstand: compatible with the breaking capacity of D'clic and D'clic Vigi circuit-breakers.

Catalogue numbers

Description	Colour	Width in modules of 9 mm	Cat. No.
Bar'clic comb busbars	Grey	26	**14878**
		104	**14918**
	Bue	26	**14879**
		104	**14919**
Set of 12 teeth-shields		6	**21096**
Set of 25 mm² connectors	2 grey + 2 blue		**14875**

DuoLine
Protection switchgear
Comb busbar connection

PB100081-32



ID'clic residual current circuit-breakers

Functions
- Control.
- Protection of persons against direct or indirect contact (30 mA).
- Protection of electrical installations against insulation faults.

Technical data
- NF approved.
- Comply with standard NF-EN 61008.
- Connection:
  - input (power supply) by cables: 16mm² tunnel terminals for 25 and 40 A ratings; 35 mm² tunnel terminals for 63 A rating
  - output for direct distribution by Bar'clic comb busbar: 16 mm² comb busbars.

Catalogue numbers

Type	Width in modules of 9 mm	Rating (A) at 30 °C	Type	Cat. No.
1P + N 30 mA	4	25	AC	**23157**
		40	AC	**23160**
			A (1)	**23158**
			si (2)	**23161**
	6	63	AC	**23162**
			A (1)	**23156**

(1) *Type A: designed to detect leakage currents containing DC components. Recommended to protect specialised circuits supplying washing machines, dish-washers or hotplates.*
(2) *Type si: recommended when the installation is protected by a surge arrester or when continuity of supply is essential (deep freezer, etc.).*

PB100083-23



D'clic circuit-breakers

Functions
- Control.
- Protection against overloads and short-circuits.

Technical data
- NF approved.
- Breaking capacity as per NF-EN 60898: 3000 A.
- Limitation class as per NF-EN 60898: 3.
- Free marking zone to stick a label on the front face.
- Connection:
  - input by Bar'clic comb busbar
  - output by cables: 16mm² tunnel terminals.

Catalogue numbers

Type	Width in modules of 9 mm	Rating (A) at 30 °C	Cat. No.
1P + N	2	2	**20724**
		6	**20723**
		10	**20725**
		16	**20726**
		20	**20727**
		25	**20728**
		32	**20729**

DuoLine
Protection switchgear
Comb busbar connection

PB100084-32



D’clic Vigi residual current devices

Functions

- Control.
- Protection against overloads and short-circuits.
- Protection of persons against direct or indirect contact (30 mA).
- Protection of electrical installations against insulation faults.
- Recommended for protection of risky feeders: garages, basements, kitchens, freezers.

Technical data

- NF approved.
- Comply with standard NF-EN 61009.
- Breaking capacity as per NF-EN 60898: 3000 A.
- Limitation class as per NF-EN 60898: 3.
- Free marking zone to stick a label on the front face.
- Connection:
  - Input by Bar’clic comb busbar
  - Output by cables: 16mm² tunnel terminals.

Catalogue numbers

Type	Width in modules of 9 mm	Rating (A) at 30 °C	Type	Cat. No.
1P + N 30 mA	4	10	AC	**20552**
		16	AC	**20553**
			si (1)	**20569**
		20	AC	**20554**
			si (1)	**20574**
		25	AC	**20555**
		32	AC	**20564**

(1) *Type si: recommended when the installation is protected by a surge arrester or when continuity of supply is essential (deep freezer, etc.).*

PB101151-23



R'clicXE plug-in connector

Functions

This phase and neutral plug-in connector is used to:

- supply the Distri'clicXE distribution block (with or without connector) on which it is plugged in
- supply from the Distri'clicXE distribution block another row or other non plug-in devices
- supply Bar'clic comb busbars from a Distri'clicXE distribution block (without connector)
- combine in the same switchboard the D'clicXE circuit-breakers with plug-in connection and the D'clic circuit-breakers with comb busbar connection.

Technical data

- Connection:
  - input/output (power supply) by plug in on the Distri'clicXE distribution block
  - output/input by cables: 16mm2 tunnel terminals.
- Delivered with 2 self-adhesive labels indicating the supply direction.

Catalogue numbers

Description	Width in modules of 9 mm	Rating (A)	Cat. No.
R'clicXE plug-in connector (set of 2)	2	63	**16720**

Control and monitoring switchgear: module 90024.
Additional technical data: module 91922.