



SIVACON

Motor Control Centers with Standard Withdrawable Units

Flexible in application with the intelligent SIVACON technology

Benefits of flexible combinations

Many applications require a space-saving design of a switchboard. An ideal solution is therefore to combine various installation designs in one section. The SIVACON universal mounting design offers you safety, maximum flexibility and cost-efficiency in one system. It allows tap-off feeders in withdrawable design and fixed-mounted design, as well as plug-in tap-off feeders in the 3NJ6 In-line design.

When requirements are constantly changing, e. g. changes in motor rating or the connection of new loads, the withdrawable unit design is the flexibility you need. Safe and simple handling means modifications can be carried out quickly together with a high level of system availability. SIVACON S8 offers you solutions to meet all requirements in industrial plants.

Flexible solutions

Standard withdrawable units are equipped with a fixed contact system. Disconnected, test and connected position are made possible by moving the unit. The withdrawable units are equipped with a removable front cover. The SIVACON S8 withdrawable unit design with its service-proven contact system and simple single-button release offers a high level of user-friendliness. Great importance has been attached to safety in the form of integrated operating fault protection through main switch interlocking and with fixed final positioning of the withdrawable units. For extended requirements, like the operation behind the closed door, SIVACONS8 offers the withdrawable unit design with movable contacts. The combination of both designs is possible.

Highlights

- High level of flexibility thanks to the innovative modular technology
- Safety for human beings and plants by design verification by verification tests in accordance with IEC 61439-2
- Flexibility with up to 18 standard withdrawable units in one section
- Service-proven withdrawable unit contact system with mechanical connected, disconnected and test positions
- Safety through integrated operating fault protection
- User-friendliness through simple single-button release

Answers for infrastructure and cities.

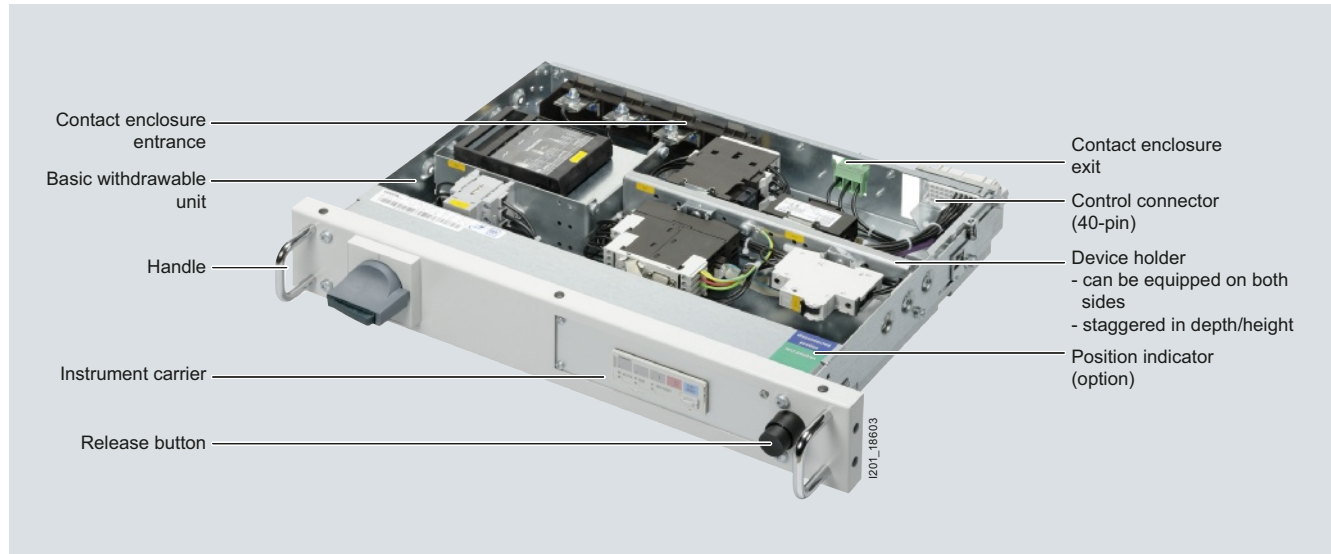
Switchboards

SIVACON S8 Power Distribution Boards and Motor Control Centers

Standard Withdrawable Units

Overview

- Cable and motor feeders with 3VL/3VT molded case circuit breakers; SIRIUS 3RV motor starter protectors; 3K switch disconnectors
- 3-pole/4-pole cable feeders
- Performance range of the motor feeders up to 132 kW¹⁾ and current range of the cable feeders up to 250 A¹⁾
250 kW / 630 A are possible in combination with withdrawable units with movable contacts.
- Withdrawable unit height: 100 - 700 mm, up to 18 withdrawable units in one field, with integrated operating fault protection
- Device holder, can be equipped on both sides
- Auxiliary supply connector with up to 40 pins
- Withdrawable unit coding for up to 21 versions
- Up to IP30 degree of protection in disconnected and test position



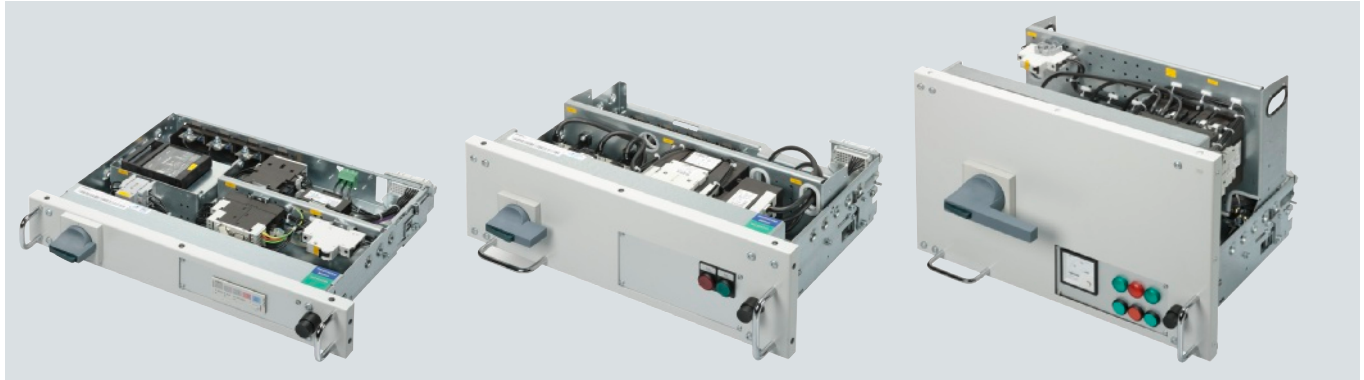
Technical specifications

Functions	Cable feeders, motor outgoing feeders
Rated current I_n	up to 250 A ¹⁾
Rated operational power	up to 132 kW ¹⁾
Connection Position	front and rear
Section with	mm 600 / 1,000 / 1,200
Internal separation	Form 3b, 4b, 4 Type 7 (BS)
Busbar position	top, rear top and/or rear bottom

¹⁾ 250kW / 630A possible in combination with withdrawable units with movable contacts



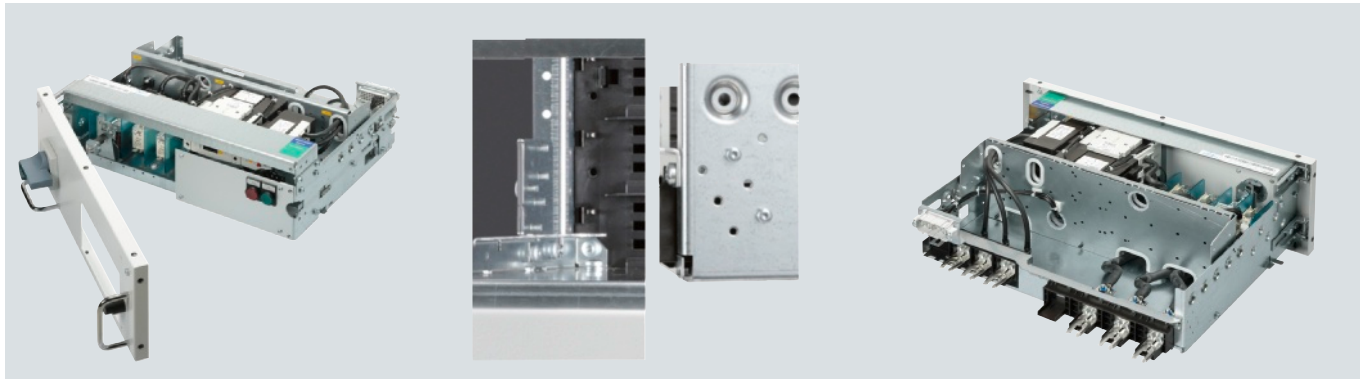
Withdrawable unit design



Standard withdrawable unit, height 100 mm

Standard withdrawable unit, height 200 mm

Standard withdrawable unit, height 400 mm



The swivel-mounted masking frame for the withdrawable units enables adjustment during operation

The withdrawable unit coding (up to 21 versions) prevents the swapping of withdrawable units

The rear equipping option offers additional space for devices



Simple operation by means of single-button release

Test and disconnected position for clear distinction

Service-proven withdrawable unit contact system with fixed cable connection

Switchboards

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Standard Withdrawable Units

Auxiliary connector with push-in terminals or screw terminals

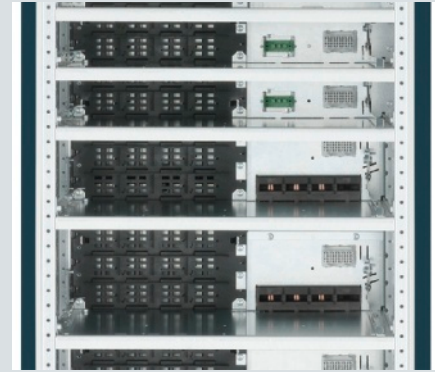
- Isolating distances on the infeed and outgoing side
- High form of internal partition (form 4b)
- No connection work required in the compartment
- The compartment sizes can be changed during operation



Front connection

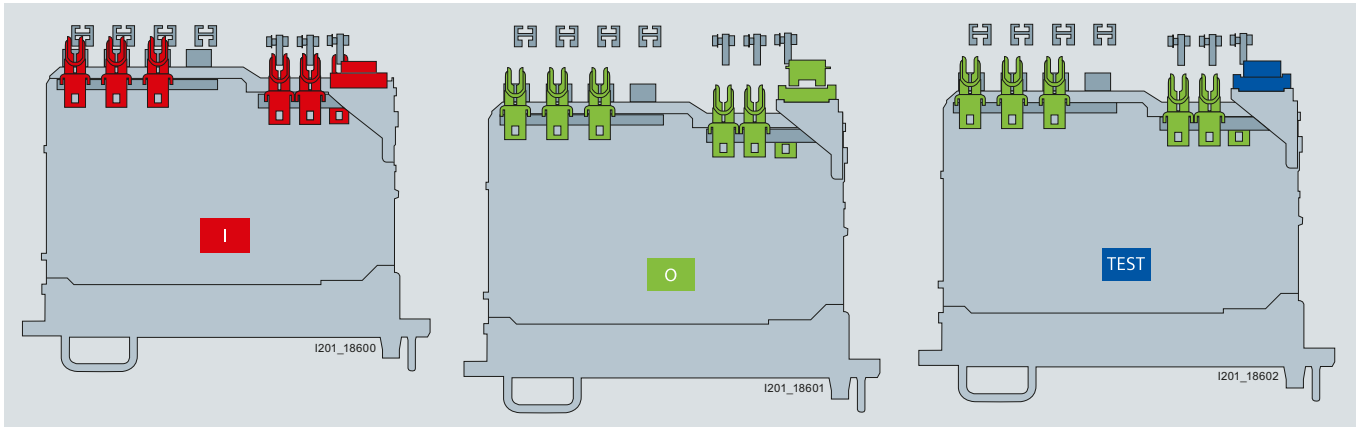


Rear connection



Line-side and feeder-side isolating contacts embedded for test finger safety

Operation and handling - withdrawable unit principle



Connected position

Disconnected position

Test position

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