SIEMENS
Ingenuity for life

Flexible in application with Motor Control Centers and standard withdrawable units

SIVACON S8 – universal mounting design

Flexible and space-saving

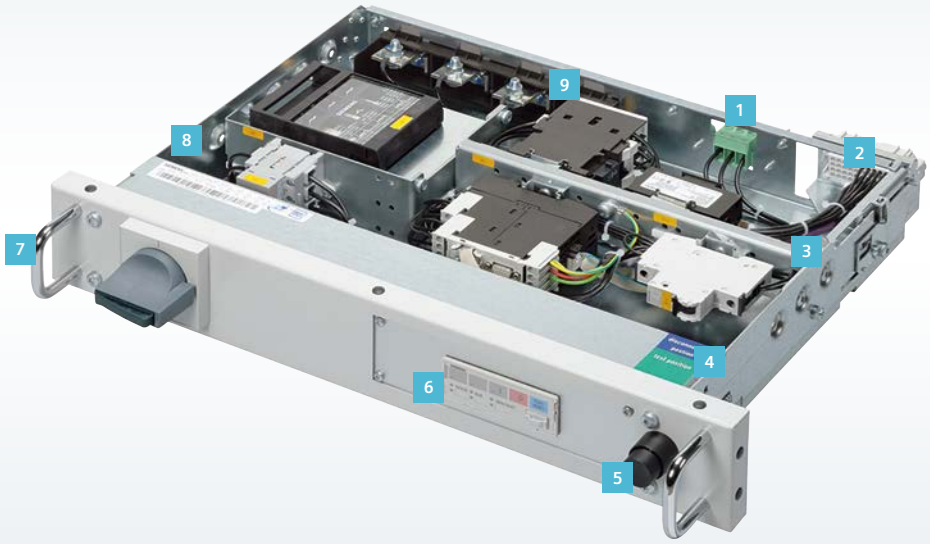
In many applications, a space-saving design of the switchboard is essential. An ideal solution for this would be to combine various installation designs in one cubicle.

Flexible combinations for space-saving solutions

The universal mounting design of the SIVACON S8 offers you safety, a high level of flexibility, and cost-efficiency in one system. It allows feeders in withdrawable design and in fixed-mounted design, as well as in plug-in design with 3NJ6 switch disconnectors with fuses. When requirements are constantly changing, e.g. modifications in motor rating or the connection of new consumer 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.

Your benefits

- High level of flexibility thanks to the innovative modular technology
- High level of personnel safety and operational reliability by design verification according to IEC 61439-2
- Flexibility with up to 18 standard withdrawable units in one cubicle
- Service-proven withdrawable unit contact system with mechanical connected, disconnected, and test positions
- Safety through integrated operating error protection
- User friendliness through simple single-button release



1 Contact enclosure exit
2 Control connector (40-pin)
3 Device holder
- can be equipped on both sides
- staggered in depth/height

4 Position indicator (option)
5 Release button
6 Instrument carrier
7 Handle
8 Basic withdrawable unit
9 Contact enclosure entrance

Flexible solutions

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

Standard withdrawable unit

- Cable and motor feeders with 3VA/3VT molded case circuit breakers; SIRIUS motor starter combinations; 3K switch disconnectors
- 3-pole/4-pole cable feeders
- Performance range of the motor feeders up to 132 kW[1)] and current range of the cable feeders up to 250 A[1)]
- Withdrawable unit height: 100–700 mm, up to 18 withdrawable units in one cubicle, with integrated operating error 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 data	
Mounting design	Withdrawable design, fixed-mounted design with compartment doors, plug-in design
Functions	Cable feeders up to 250 A[1)] Motor feeders up to 132 kW[1)] (at 400 V)
Type of connection	front and rear
Cubicle width (mm)	600, 1,000, 1,200
Internal separation	Form 3b, 4a, 4b, 4 type 7 (BS)
Busbar position	top, rear top and/or rear bottom

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

Withdrawable unit design

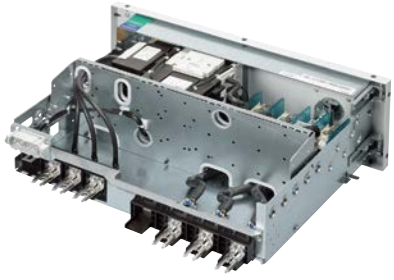
Standard withdrawable unit,
height 100 mm

Standard withdrawable unit,
height 200 mm

Standard withdrawable unit,
height 400 mm

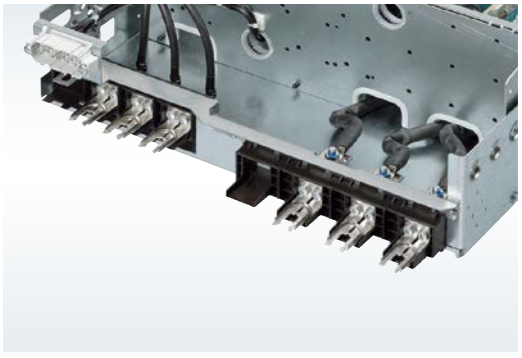
The swivel-mounted masking frame
for the withdrawable units enables
adjustment during operation

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



The rear equipping option offers
additional space for devices

Test and disconnected position
for clear distinction



Service-proven withdrawable unit contact system
with fixed cable connection

Front connection

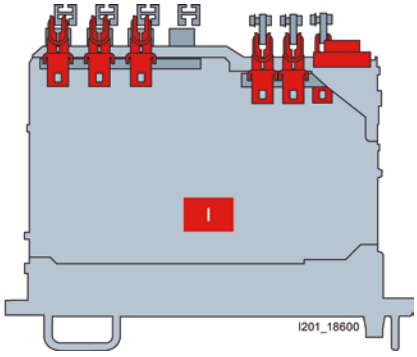
Rear connection

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

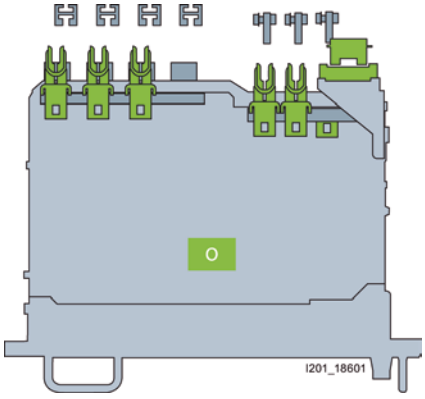
Auxiliary connector with push-in terminals or screw terminals

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

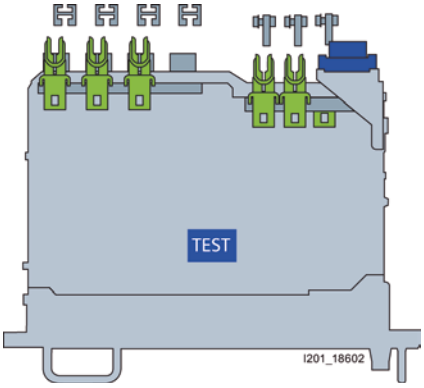
Operation and handling – withdrawable unit principle



Connected position



Disconnected position



Test position

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