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
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

Technical data

<table>
<thead>
<tr>
<th>Mounting design</th>
<th>Withdrawable design, fixed-mounted design with compartment doors, plug-in design</th>
</tr>
</thead>
</table>
| 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
The swivel-mounted masking frame for the withdrawable units enables adjustment during operation.

Standard withdrawable unit, height 100 mm

Standard withdrawable unit, height 200 mm

Standard withdrawable unit, height 400 mm

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.
**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