

System pro M compact®

On-off switches, pushbuttons,
indicator lights

**Half-size
Strong effect**

The 9mm solution from ABB



Power and productivity
for a better world™



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Applications

On-off switches, pushbuttons, indicator lights

Using modular DIN-rail mounted devices (MDRC) such as On-Off switches, pushbuttons and indicator lights makes it possible to switch and control electric loads from a central location. Thanks to signalling of the switch position, operating states can be recognized easily and users have an overview of the situation. Space is saved in the distribution board thanks to the new narrow width of only 9 mm (0.5 modular width). The On-Off switches are easy to operate and the switched position is always clearly recognisable.

Depending on requirements, the switch position can also be indicated by a built-in yellow LED. The pushbuttons are excellently suitable for forwarding pulse control commands, e.g. in lighting controls. The operating state of the luminous pushbutton variants can be signalled. The indicator lights are optimally used to signal or report back an operating state.

■ Private electrical installations

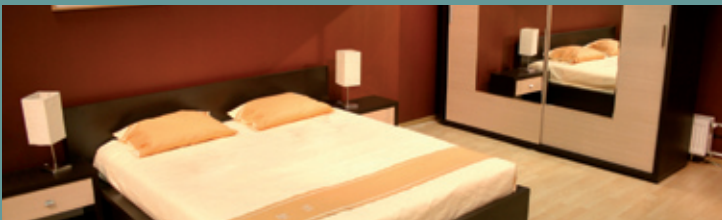
MDRCs can be used in subdistribution boards of multiple or single-family dwellings and other private buildings. Optimum operability and/or signalling of operating states is made easily possible.

Examples:

- Phase monitoring
- Signalling the operating state of a pond pump
- Switching machines in a DIY workshop
- Switching additional garden lighting On/Off
- Visualising the garden/garage door position



■ Commercial installations



In guesthouses, hotels, storage halls, small workshops, construction sites and other commercial operations, the MDRCs enable easy switching, control and signalling, thus providing a clear general picture of current operating states.

Examples:

- Outdoor lighting systems
- Additional electric heaters
- Visual status indication of machines and devices (e.g. a fan)
- Outdoor sockets
- Hotel reception (switching and/or monitoring functions)

■ Industrial installations



The MDRC product range is also used in all industrial establishments.

Examples:

- Phase monitoring
- Manual flap controls (ventilation systems)
- Switching pumps On/Off
- Manual -0 -Automatic changeover
- Manual changeover of two-speed machines

Characteristics



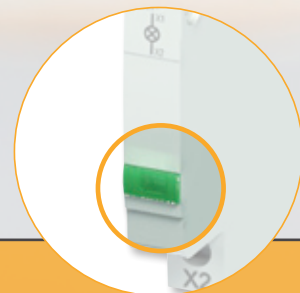
- **Fast mounting**
Easily accessible with latching function.



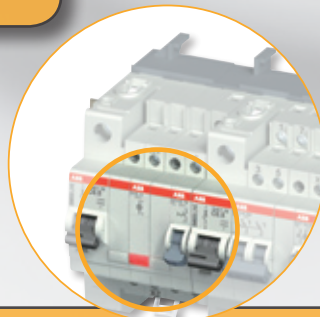
- **Switch position**
clearly recognisable



- **Cross-head recessed screws**
Pozidrive 1 (captive)



- **Indicator lights**
5 different colours (red, green, amber, blue, white)



- **Can be used in the SMISLINE socket system**



- **Reliable connection terminals**
with integrated shutter



- **Pushbutton**
6 different colours (grey, red, green, amber, black, blue)

System pro M compact®

Impressive solutions at a glance

On-off switches, pushbuttons, indicator lights

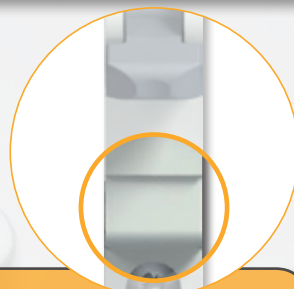
- Touch protection to DIN EN 50274 (DIN VDE0660 Part 514)
- Reliable and convenient operation
- Colour-fast LEDs: 5 colours for luminous pushbuttons and indicator lights
- LED voltage ranges: 12-48V AC/DC; 115-250V AC; 110-220V DC
- Maintenance-free LED light source (up to 100,000 h)
- Consistent innovative design
- Dissipated power optimised
- Compliance with international standards

ABB

**System pro M
compact®**



- Type designation and schematic with lasting laser marking



- Labelling field
System pro M compact



- Visual switch position indication
by On/Off switches (with LED light)



- On/Off switch, lockable
in the On or Off setting



- Uniform design
ABB pro M compact device family

Technical data

General On-off switches, pushbuttons, indicator lights

Overall depth	68 mm
Width	0.5 or 1 module (9 or 18 mm)
Colour	grey, RAL 7035
Climatic resistance to	IEC 60068-2-2 (dry heat) IEC 60068-2-30 (humid heat) IEC 60068-2-1 (low temperatures)
Ambient temperature	-25°C to +55°C
Storage temperature	-40°C to +70°C
Connection cross-section (Cu)	from 1 x 1 mm ² to 1 x 6 mm ² or 2 x 2.5 mm ² solid; from 1 x 0.75 mm ² to 2 x 1.5 mm ² flexible with end ferrule or pin cable lug
Tightening torque	1.8 Nm
Contacts	Double interrupting

Change over, Group- and Control- switches (E213; E214; E218) Pushbuttons without and with LED (E215; E217)

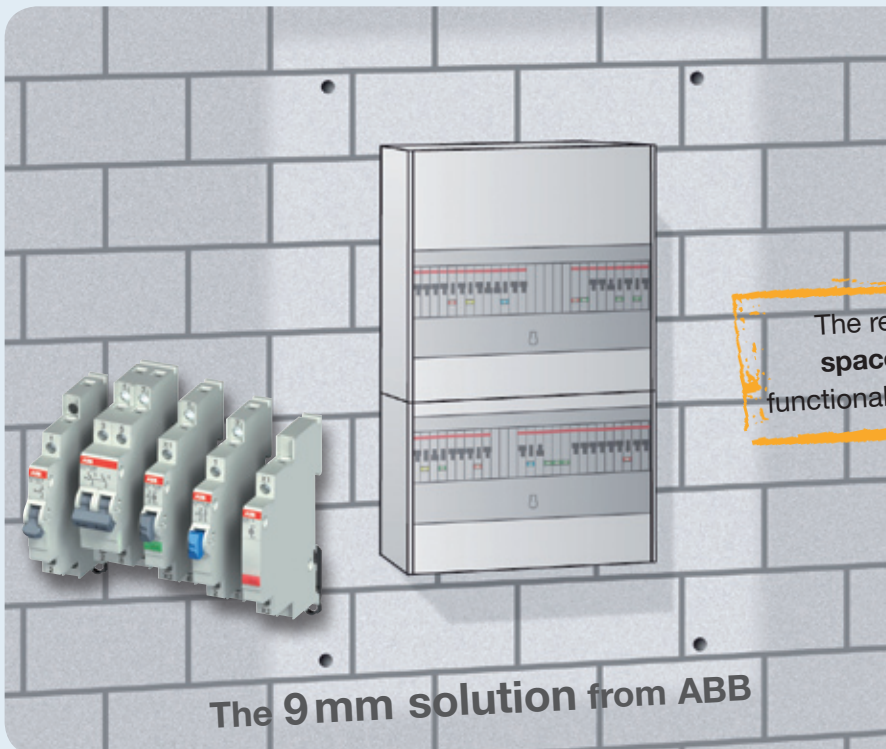
Rated current I_n	16 A, 25 A
Rated voltage U_n in accordance with EN in accordance UL 508	250 V AC, 400 V AC 240 V AC
Rated impulse withstand voltage U_{imp}	6 kV
Lowest operating voltage	24 V AC
LED voltage ranges	12-48 V AC/DC; 115-250 V AC; 110-220 V DC
Frequency	50/60 Hz
Switches sealable	in the On and Off positions
Standards	DIN EN 60669-1 *VDE 0632-1 UL 508
Approvals	VDE; UL

On-off switches (E211; E211X)

Short-circuit withstand capacity I_{nc}	3 kA; at 400 V $\cos \phi = 0.8$ (with fusing $\leq 35 A / NH00$) 16 A, 25 A, 32 A
Rated current I_n	
Rated voltage U_n in accordance with EN in accordance UL 508	250 V AC, 400 V AC 240 V AC
Lowest operating voltage	24 V AC
Rated impulse withstand voltage U_{imp}	6 kV
Isolating features	to EN60669-2-4
LED voltage ranges	On-off switches E211X 115-250 V AC
Frequency	50/60 Hz
Sealable	in the On and Off positions
Standards	DIN EN 60669-1 *VDE 0632-1 DIN EN 60669-2-4 *VDE 0632-2-4 UL 508 VDE; UL
Approvals	

Indicator lights (E219)

LED voltage ranges	12-48 V AC/DC; 115-250 V AC; 110-220 V DC
Standards	DIN EN 62094-1 UL 508
Approvals	VDE; UL



The 9 mm solution from ABB

Set new standards in
your electrical
distribution board

The reduced device width **saves space** while providing the same functionality and improved performance.

Further details and information to these products in our Technical Catalogue.
Order-No. **2CCC441001C0201**

Simple make a request.