# Relays, solid-state relays, timer and safety relays
## Catalogue 4.2

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<th>Relays, solid-state relays, timer and safety relays</th>
<th>Relay modules and solid-state relays in 6 mm width</th>
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## Appendix

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The Weidmüller range at a glance
A world full of connections

Applications

Photovoltaics
Wind
Weidmüller Monitoring Systems
Machinery

Devices

Electronic housings

PCB RJ-45 sockets
PCB USB sockets

PCB power connectors PUSH IN
PCB power connectors screw

PCB power terminals PUSH IN
PCB power terminals screw

PCB signal connectors PUSH IN
PCB signal connectors screw

Cabinet

Wireless routers
Routers
IoT gateways
IoT controllers with web-based engineering
Multi-touch panels

Communicative signal processing
Remote I/O
Switches unmanaged
Switches managed
Cable connectors
Communication-capable power supply
Service interfaces

Energy monitoring
Analogue signal conditioning
Solid-state relays
Power supplies
Buffer/USB/Batteries
Control voltage distribution

Safety relays
Surge protection signals
Terminals stud
Terminals screw
Terminals tension clamp
Terminals PUSH IN
Shielding and earthing

Interfaces
Surge protection power
Relay modules
Relays and solid-state relays

Mounting rails
Assembled rails
Cable ducts
Filter fans
Relays and solid-state relays
An overview of our portfolio

**TERMSERIES relay modules**
Page A.8
- All-purpose, pluggable relay modules
- Space-saving width
- AgNi contact with and without gold plating
- AgSnO contact variations
- Screw and tension clamp connection

**TERMSERIES – solid-state relays**
Page A.30
- All-purpose, pluggable solid-state relays
- Space-saving width
- DC and AC output variants
- Screw and tension clamp connection

**TERMSERIES adapters**
Page A.56
- Suitable for input and output logic
- Version for TERMSERIES base

**TERMOPTO – solid-state relays**
Page A.62
- Isolation of potentials in terminal format
- With PUSH IN technology
- Compact, enclosed design

**MICROOPTO – solid-state relays**
Page A.74
- Compact semiconductor switch in terminal format
- High power for loads up to 10 A
- Electrically isolates high-speed signals
- International approvals

**MCZ SERIES relay modules**
Page A.84
- Low profile with tension clamp connection
- TRAK version developed for the rail industry
- Large temperature range of -40 °C to +70 °C

**MCZ SERIES – solid-state relays**
Page A.90
- Low profile with tension clamp connection
- Universal interface between controller and sensor/actuator
- TRAK version developed for the rail industry

**D-SERIES relay modules**
Page B.6
- Modularly designed product line
- Pluggable variants with 1 to 4 CO contacts
- Special variants for switching high DC loads

**RIDERSERIES relay modules**
Page B.60
- Modularly designed product line
- Pluggable variants with 1 to 4 CO contacts
- Innovative relay base with PUSH IN connection
RIDER SERIES FG relay modules
Page B.96
- Modularly designed product line
- Relays with forcibly guided contacts
- Screw or tension clamp connection

PSSR 1-phase Power solid-state relays
Page C.4
- Load circuit: 12...275 V AC / 25 A or 24...600 V AC/35 A
- Zero-cross switch
- Ready to use
- Attachable monitoring module

PSSR 1-phase Power solid-state relays
Page C.6
- Load circuit 24...510 V AC/22 A
- Instantaneous-switching output
- Ready to use
- Attachable monitoring module

PSSR 1-phase Power solid-state relays
Page C.9
- Load circuit: 24...600 V/50 A or 75 A
- No-voltage switch
- Compact design

PSSR 3-phase Power solid-state relays
Page C.12
- Load circuit: 24...520 V AC / 20 A
- No-voltage switch
- Ready to use
- TÜV “Safety-Approved”
- SIL3 acc. to EN61508
- De-energise/Energise to Safe applications

SIL relay
Page D.6

IT-Timer - industry timing relay
Page E.4
- Multi-voltage input
  24...48 V DC / 24...20 V AC
- Space-saving construction
- 7 time functions with separate control input

BT-SERIES - Timer
Page E.8
- Time range: 0.10 s...120 h
- Screw or tension clamp connection
- International approvals

Timer with 6 mm width
Page E.12
- Components for lengthening short pulses for the PLC
- Low input power
- DKZ Series with adjustable switch-off delay