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**Switch actuator, 12-fold, 16/20 A, C-Load with Energy Function, MDRC**

Switches electrical consumer circuits using floating contacts via KNX and/or manually. Current measurement and Energy Function. Without additional auxiliary voltage.

- Integrated KNX bus coupler
- Does not require an external power supply
- Device can be labeled
- Manual operation for each output
- Contact position indication for each output

Function:
- Switching resistive, inductive and capacitive loads
- Lighting
- Signal devices
- Load relay/contactor
- Load- and Energy Function

An application program with the following functions:

Per device:
- Central switching of outputs
- Central scene recall
- Central load shedding (DTP236.001)
- Safety priorities
- Parameterization via templates
- Cyclic in-operation-telegram
- Sending and switching delay after bus voltage recovery
- Telegram rate limitation
- Request status values
- 24 thresholds/logical connections (AND, OR, XOR, TOR, Inverter)
  can be used independently or linked with output
- 4 energy groups

Per switch output:
- Normally open/normally closed contact can be parameterized
- Time functions, switching on/off delay
- Staircase lighting function with advance warning
- Staircase lighting time can be changed via KNX
- 16 scene assignments for each output (recalled via 1 bit or 1 byte),
  which can be saved as 64 KNX scenes
- Independend logic-/threshold-function
- Switching status
- Forced operation/block and safety function
- Reaction on bus voltage failure
- Reaction after bus voltage recovery
- Reaction after ETS download
- Status byte with operating states
- Load shedding (integration in Load control systems via DTP236.001)
- Current measurement
- Power calculation (voltage and power factor changeable via KNX)
- Energy consumption calculation (total and intermediate meter)
- Load monitoring (on/off, standby, underload, operation, overload, max load),
  thresholds changeable via KNX
- Contact status supervision (via actual current flow)

Functions can be combined.
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### Switch actuator, 12-fold, 16/20 A, C-Load with Energy Function, MDRC

- **Outputs**: 12 floating contacts
- **Rated current per output**: 16 A (230 V AC) C-load, 20 A (230 V AC)
- **Rated frequency**: 50/60 Hz
- **Maximum current, device**: 12 x 20 A
- **Multiphase operation**: Possible
- **Current measurement**: 0.02 A - 20 A AC, +/- 2%
- **Leakage loss total for device**: 12.0 W (16 A) / 16 W (20 A)
- **Switching capacity**
  - To EN 60 947: 16 A AC3, 20 A AC1
  - To EN 60 669: 16 A / 20 A (200 µF)
- **Max. peak inrush current (150 µs)**: 600 A
- **LEDs and energy saving lamps can be connected**
- **Connection**
  - Load circuit: Screw terminals with universal head screw for cables from 0.2 to 6 mm²
  - KNX: Screwless bus connection terminal
- **Protection degree**: IP 20, DIN EN 60 529
- **Mounting**
  - On 35 mm mounting rail, EN 60715
- **Mounting position**: Any
- **Width**: 12 space units (210 mm)
- **Housing material**: Plastic, halogen free
  - Flammability V-0 as per UL94
- **Delivery/Mounting incl. accessories**
- **Commissioning**
- **Manufacturer**: ABB STOTZ-KONTAKT

**Make like** SA/S 12.16.6.2

**Quantity**

**Material:**

**Labor:**

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SA/S 12.16.6.2
SA/S 12.16.6.2