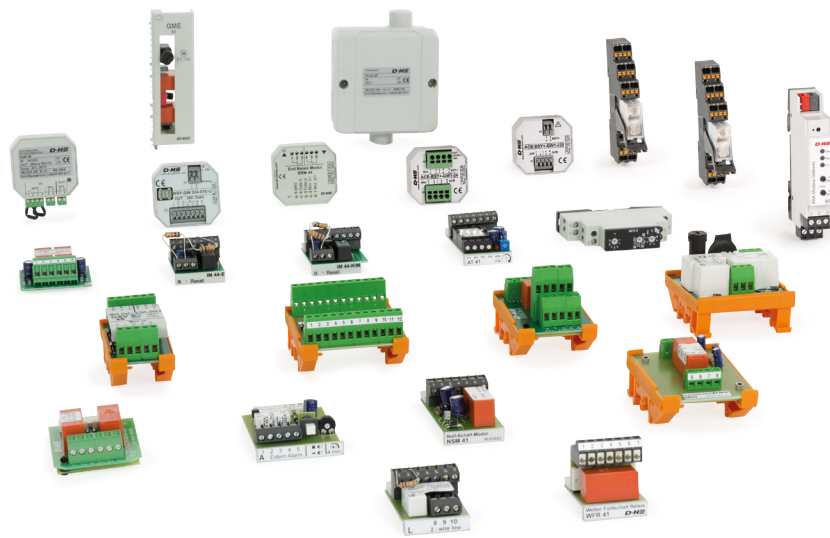


# Expansion modules

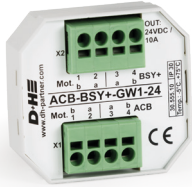


## Performance features

- » For D+H RZN and GVL control panels
- » Various SHEV and ventilation functions
- » Various designs
- » Easy installation
- » Can be retrofit easily

Type	Art. No.	Description
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ACB-BSY+-GW1-24 30.555.10

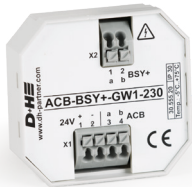


**ACB gateway on BSY+ 24 V DC**

- » Interface module between building management system or D+H control panel (CPS-M1) and a 24 V DC BSY+ drive group
- » Expands the drive functions, for example, to include functions of precise position control and virtual group formation
- » Enables the use of real drive positions, for example, for OPEN and CLOSED signals
- » Fault message of the individual BSY+ group
- » No special drive notification or configuration required
- » For installing on-site junction box

Type	Art. No.	Description
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ACB-BSY+-GW1-230 30.555.20

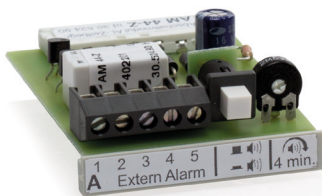


**ACB gateway on BSY+ 230 V AC**

- » Interface module between building management system or D+H control panel (CPS-M1) and a 230 V AC BSY+ drive group
- » Expands the drive functions, for example, to include functions of precise position control and virtual group formation
- » Enables the use of real drive positions, for example, for OPEN and CLOSED signals
- » Fault message of the individual BSY+ group
- » No special drive notification or configuration required
- » Galvanic isolation between the input signal and output signal
- » For installing on-site junction box

Type	Art. No.	Description
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AM 44-Z 30.524.90



**Alarm cut-off module + time-limit**

- » Supply of external alarm devices such as sirens, fire bells and flashing lights
- » For installation on E1 / E2 central slot
- » Options of manual alarm cut-off via optional collective signal panel or automatic via the preset time
- » Configurable alarm time limit from 0.5 to 4 minutes

Type	Art. No.	Description
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AT 41 30.551.70

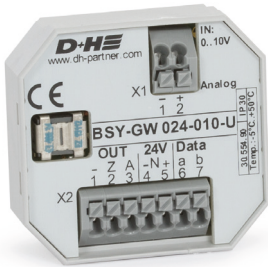


**Drive delay module**

- » Delays the start-up of the window drives to prevent faults when opening the sash or to prevent restrictions of the SHEV cross section due to on-site motor-operated exterior shading
- » For installation on LT / MOT central slot
- » Retracts the sun shading in case of an alarm and subsequently opens the SHEV sash in a time-delayed manner
- » Only use in conjunction with D+H drives with BRV message

Type	Art. No.	Description
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BSY-GW 024-010-U      30.554.90



**0 to 10 V DC gateway on BSY+**

- » Interface module between the building management system (BMS) and a BSY+ drive group in conjunction with a D+H control panel
- » Simple plug-and-play commissioning
- » No special drive notification or configuration required
- » Galvanic isolation between the input signal and output signal
- » Simple integration into new and existing systems
- » For installing on-site junction box

Type	Art. No.	Description
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CR-1      30.550.90



**Cut-off relay**

- » E.g. for remote signalling a fault or an alarm
- » Connection via spring terminal
- » Version in 24 V DC coil voltage
- » 2 isolated changeover contacts, max. 230 V AC / 5 A
- » Top hat rail design

Type	Art. No.	Description
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CR-5      30.550.95



**Cut-off relay**

- » E.g. for remote signalling a fault or an alarm
- » Connection via spring terminal
- » Version in 230 V AC coil voltage
- » 2 isolated changeover contacts, max. 230 V AC / 5 A
- » Top hat rail design

Type	Art. No.	Description
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DM 41      30.551.00

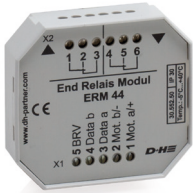


**Diode matrix**

- » Made of 12 individual LEDs or resistors that can be wired independently
- » Top hat rail design

Type	Art. No.	Description
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ERM 44      30.552.50

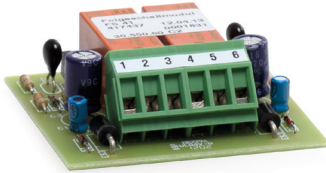


**End relay module**

- » For isolated OPEN or CLOSED signal of a drive or a drive group
- » Activation via BSY+ line, BRV message or TMS output (only for CDC)
- » Contact load capacity: max. 60 V DC / 1 A
- » Installing in a junction box, for example (not included)

Type	Art. No.	Description
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FS 41      30.550.60



**Sequence control module**

- » For consistent opening and closing of motor-operated, overlapping window sashes
- » Delays the start-up of a sash side in the OPEN / CLOSED direction to guarantee safe opening/closing
- » Switching capacity 24 V DC / max 50 W (2 A) per sash
- » For installing on the control panel or on-site junction box

Type	Art. No.	Description
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GME 83      30.600.00



**Group module**

- » For GVL 8408-M ventilation control panel
- » For expanding the control panel to up to 6 ventilation groups, optional

Type	Art. No.	Description
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GSV 45      30.554.10



**Group hub**

- » For dividing the drive connection wires of a group into 2 sections for each 3 wires
- » Option of parallel connection of up to 4x GSV 45 on one group
- » Installing in a junction box, for example (not included)
- » Top hat rail design

Type	Art. No.	Description
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IM 44-E 30.552.80



**Pulse module**

- » For alarm triggering and resetting the SHEV system (RZN-E) when using pulse control
- » For converting continuous switch signals to pulse switching signals, e.g. in conjunction with pulse solenoid valves
- » For installation on RM / RT central slot

Type	Art. No.	Description
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IM 44-K/M 30.552.70



**Pulse module**

- » For alarm triggering and resetting the SHEV system (RZN-K/RZN-M) when using pulse control
- » For converting continuous switch signals to pulse switching signals, e.g. in conjunction with pulse solenoid valves
- » For installation on RM / RT central slot

Type	Art. No.	Description
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IM 80 30.550.40



**Pulse module**

- » For converting continuous switch signals to pulse switching signals, e.g. in conjunction with pulse solenoid valves
- » Top hat rail design

Type	Art. No.	Description
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KNX Modbus RTU Gateway 70.602.18



**Gateway KNX to Modbus/ACN**

- » Compact KNX/Modbus gateway with 250 freely configurable channels (KNX data points)
- » Can be used as Modbus master or slave
- » Connection to other fields such as BMS via KNX possible)
- » Assignment between KNX objects and Modbus registers directly in the ETS (no additional tool required)
- » Easy import of the project image of the CPS-M1 from the SCS into the ETS software
- » The ACN-GW501-MRTU-0200 Gateway is required for a connection to the CPS-M1

Type	Art. No.	Description
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MFR 5 64.801.39



- Time module**
- » For implementing priority controls (e.g. time functions such as switch-on delay, return delay)
  - » Wide-range input: 12 ... 240 V AC / DC
  - » Maximum switching capacity: 2000 VA (8 A / 250 V AC)
  - » 1 isolated changeover contact
  - » Top hat rail design

Type	Art. No.	Description
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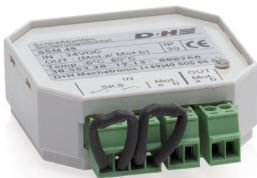
NSM 41 30.550.70



- Zero switching module**
- » Delay of changeovers of a drive group via zero position
  - » Downstream electronic load cut-offs (24 V DC) are reset before changing running direction

Type	Art. No.	Description
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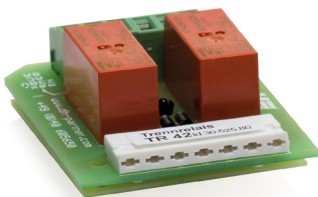
SSM 45 30.553.20



- Closing edge safety module**
- » For securing the main and side closing edges of a window in conjunction with (a maximum of 2) contact tubes
  - » Automatic reversing mode
  - » Burglary protection, automatic deactivation of the safety edge after 3 min
  - » Cable monitoring for short circuit and recess
  - » Installing in a junction box, for example (not included)

Type	Art. No.	Description
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TR 42 30.525.80



- Cut-off relay module**
- » E.g. for remote signalling a fault or an alarm
  - » For installation on E1 / E2 central slot
  - » 2 isolated changeover contacts, max. 230 V AC / 5 A

Type	Art. No.	Description
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TR 44-AP      30.552.40



- 230 V AC cut-off relay module**
- » For controlling 230 V AC D+H drives on 24 V DC groups in D+H SHEV and ventilation control panels
  - » Surface-mounted design
  - » Maximum switching capacity: 720 VA
  - » W x H x D: 87 x 87 x 53 mm

Type	Art. No.	Description
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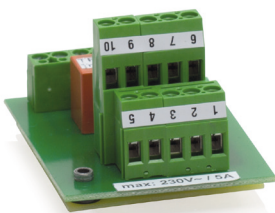
TR 44-K      30.552.30



- 230 V AC cut-off relay module**
- » For controlling 230 V AC D+H drives on 24 V DC groups in D+H SHEV and ventilation control panels
  - » Maximum switching capacity: 720 VA
  - » Top hat rail design

Type	Art. No.	Description
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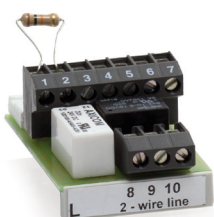
TRL 8      30.500.30



- 230 V AC cut-off relay module**
- » For controlling a 230 V AC ventilation group via isolated double changeover contact 230 V AC / 5 A
  - » For combining multiple ventilation groups
  - » For central closing function in conjunction with WRZ and WRZ 8000
  - » Top hat rail design

Type	Art. No.	Description
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UM 41-Z      30.526.10



- Transfer module**
- » Application in conjunction with RT BE42-Z and RT BE42-Z-K
  - » Pluggable on line space (RM / RT)

Type	Art. No.	Description
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WFR 41                      30.526.80



**Weather stepping relay**

- » Interface module for D+H wind and rain detectors
- » For installation on E1 / E2 central slot
- » With isolated changeover contact for relaying the weather CLOSED signal to other control panels