

Type	Art. No.	Description
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BRM-MS

31.704.60

Bistable relay module expansion set

- » Consisting of the CPS-M modules:
 - Bistable relay module
 - Expansion module socket
- » Displaying system states via 6 digital, bistable outputs (changeover contacts)
- » Can be expanded with connectors integrated into the module bases
- » Installation on 35 mm top hat rail



Type	Art. No.	Description
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IOM-MS

31.704.50

I/O module expansion set

- » Consisting of the CPS-M modules:
 - I/O module digital
 - Expansion module socket
- » Evaluation of signals via 12 digital inputs
- » Displaying system states via 12 digital outputs (non-isolated)
- » Can be expanded with connectors integrated into the module bases
- » Installation on 35 mm top hat rail



CPS-M Series SHEV control panel - modular

Type	Art. No.	Description
AM-MS	31.704.20	Actuator module expansion set 24 V DC <ul style="list-style-type: none"> » Consisting of the CPS-M modules: <ul style="list-style-type: none"> - Actuator module 24 V DC - Expansion module socket » Can provide up to 2x 10 A and a total drive current of 20 A » Compatible with 24 V DC ACB drives » Electric fuse protection of the motor connections » Can be expanded with connectors integrated into the module bases » Installation on 35 mm top hat rail



Type	Art. No.	Description
AM-MS 230	31.704.70	Actuator module expansion set 230 V AC <ul style="list-style-type: none"> » Consisting of the CPS-M modules: <ul style="list-style-type: none"> - Actuator module 230 V AC - Expansion module socket - Terminal module 230 V AC » Can provide up to 1x 8 A total drive current » Compatible with 230 V AC ACB drives » All-insulated contacts in the 230 V AC area » Motor connection protected by a thermal fuse » Can be expanded with connectors integrated into the module bases » Installation on 35 mm top hat rail



Type	Art. No.	Description
TMA-MS	31.704.30	Trigger module expansion set <ul style="list-style-type: none"> » Consisting of the CPS-M modules: <ul style="list-style-type: none"> - Analog trigger module - Expansion module socket » Can integrate 2x 30 fire detectors and 10 SHEV operation panels into the control panel system » Can be expanded with connectors integrated into the module bases » Installation on 35 mm top hat rail



Type	Art. No.	Description
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CM-PSM-MS-TP-BTM-TCSU-CC 31.704.00



Basic / expansion set

- » Consisting of the CPS-M modules:
 - Controller module
 - Supply module
 - Basic module socket
 - 3.5" Touch Panel
 - Bus termination module
 - Temperature control sensor unit
 - 1 m and 2 m connecting cable
- » AdComNet bus system for seamless module networking within the CPS-M and further D+H AdComNet components
- » Makes it possible to provide the CPS-M with an initial source of load current up to 40 A and to charge a 26 Ah set of batteries
- » Can be expanded with connectors integrated into the module bases
- » Installation on 35 mm top hat rail

Type	Art. No.	Description
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CM-PSM-MS-BTM-TCSU-CC 31.704.40



Basic / expansion set

- » Consisting of the CPS-M modules:
 - Controller module
 - Supply module
 - Basic module socket
 - Bus termination module
 - Temperature control sensor unit
 - 1 m and 2 m connecting cable
- » AdComNet bus system for seamless module networking within the CPS-M and further D+H AdComNet components
- » Makes it possible to provide the CPS-M with an initial source of load current up to 40 A and to charge a 26 Ah set of batteries
- » Can be expanded with connectors integrated into the module bases
- » Installation on 35 mm top hat rail

Type	Art. No.	Description
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PSM-MS-TCSU-CC 31.704.10



Supply expansion set

- » Consisting of the CPS-M modules:
 - Supply module
 - Supply module socket
 - Temperature control sensor unit
 - 2 m connecting cable
- » Enables additional supply of an existing CPS-M controller with up to 40 A
- » Can be expanded with connectors integrated into the module bases
- » Installation on 35 mm top hat rail

Module sets



Performance features

- » Module sets for D+H CPS-M control panels
- » Basic equipment and additions including all relevant assemblies
- » For new installations and directly connecting to existing control panels
- » Function selection and assignment that can be programmed using the D+H software SCS

Accessories

Batteries



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SHEV operation panels



starting on page 78

Alarm devices



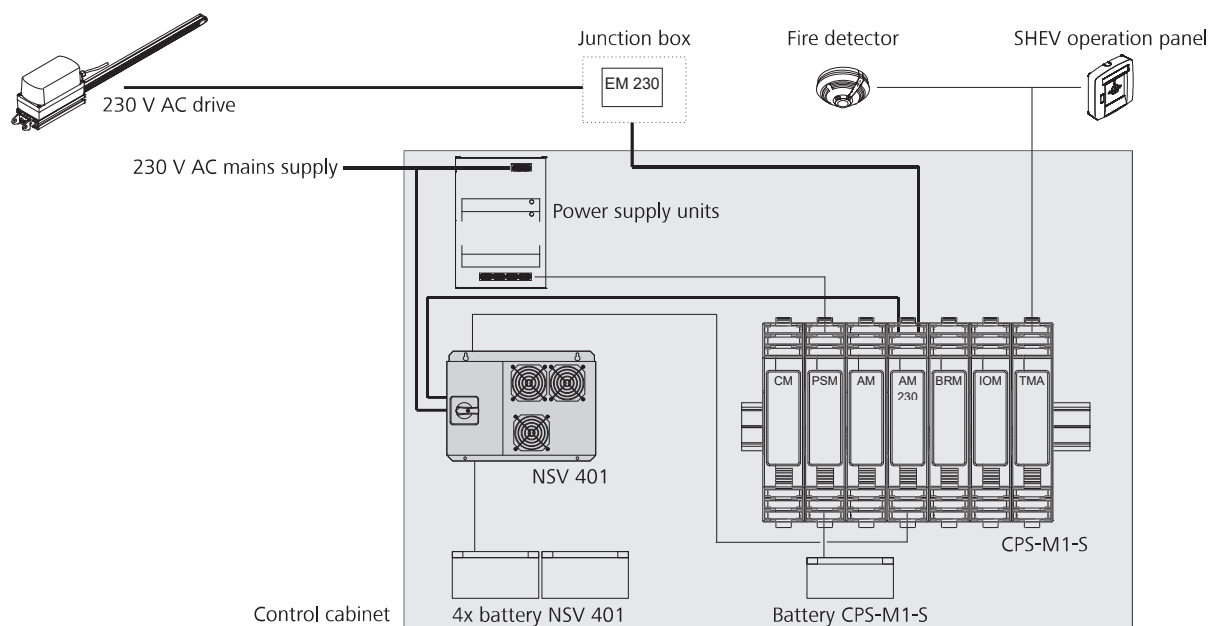
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Sensor systems



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Example of application



Technical data

	NSV 401
Supply	230 V AC / +10 % ... -15 % / 50 Hz
High/low-voltage regulation	-13 % / +13 %
Max. output	3200 VA / 2000 W (14.6 A)
Mains operation	197 - 250 V AC
Support operation	230 V AC (sine ± 5 %)
Ability to be overloaded	10 - 25 s / > 130 % 1.5 s
AC efficiency	> 95 %
Nominal battery voltage	48 V DC (nominal)
Recommended temperature range	+15 °C ... +25 °C
Cooling	Fan cooling
Noise level	< 45 dB
Battery type (NSV)	Typ 4 (4x) / Typ 5 (4x)

Batteries must be ordered separately.

Design

Type	Art. No.	Weight	Remark
NSV 401	64.801.48	19.00 kg	
AM-MS 230	31.704.70		
CPS-M1-S	31.700.00		Variable equipment possible

230 V AC SHEV system



NSV 401



AM-MS 230

Performance features

- » CPS-M1-S in conjunction with 230 V AC emergency power supply NSV
- » One-of-a-kind system with a consistent 230 V AC energy supply between controller and drives
- » More performance - less wiring expense
- » Ideal for long cable paths
- » Particularly for heavy duty applications in roof areas

Accessories

Control panels



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Module sets



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AdComNet



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SHEV operation panels



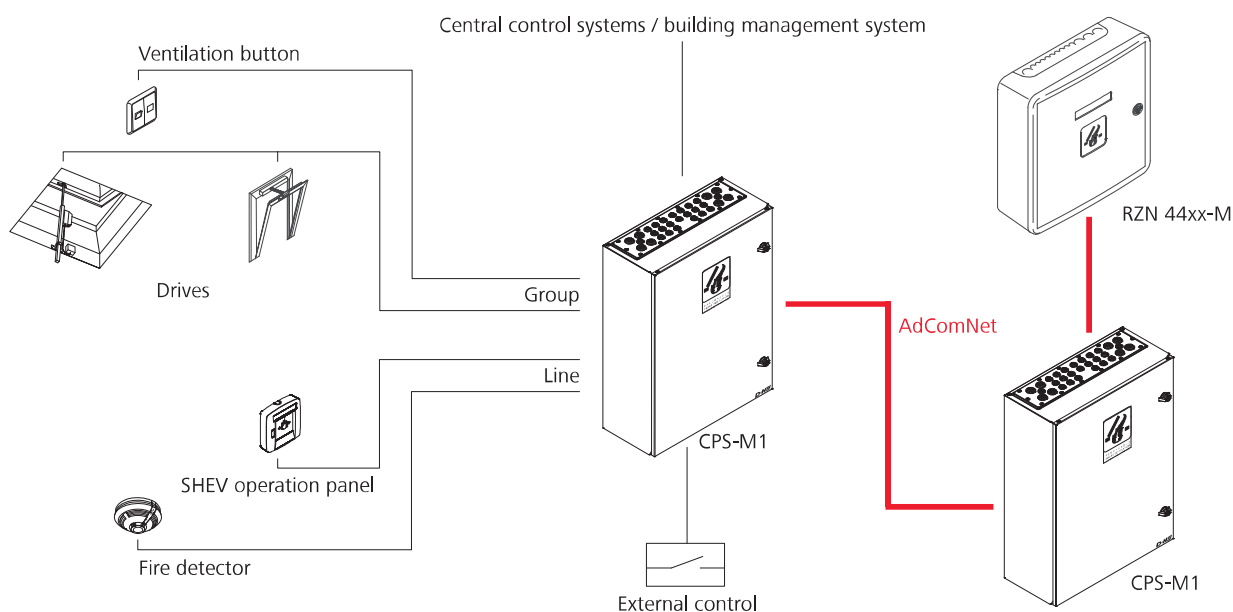
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Sensor systems



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Example of application



Technical data

	CPS-M1-S
Supply	230 V AC / 50 Hz
Output	24 V DC
Ripple	< 50 mVss
Mode of operation monitoring	Pulse operation
Mode of operation Alarm / Ventilation	Short-time duty 30 % duty cycle
Type of protection	IP 54
Temperature range	-5 °C ... +40 °C
Housing	Steel sheet

Batteries must be ordered separately.

Approvals / Certificates

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Article also available with the following permissions under other article numbers. Technical data may deviate.



Design

Type	Art. No.	Remark
CPS-M1-S	31.700.00	Variable equipment possible

CPS-M1-S



Performance features

- » Variable modular technology for complex position requirements
- » Flexible system design thanks to the supporting rail assembly for all modules and additions
- » Supply connection and communication using integrated plug connectors
- » Components can be retrofitted in case of building modifications
- » Configurable SHEV and ventilation functions using D+H software SCS
- » 2x max. 10 A drive current for each actuator module
- » Connection of up to 30 fire detectors or 10 SHEV operation panels for each monitored line plug-in unit
- » AdComNet bus system for seamless networking of the modules within the CPS-M and further D+H AdComNet components
- » Flexible use of configurable, digital inputs and outputs
- » Stabilized output voltage thanks to power pack technology

Accessories

Module sets



starting on page 54

Batteries



starting on page 92

SHEV operation panels



starting on page 78

Alarm devices



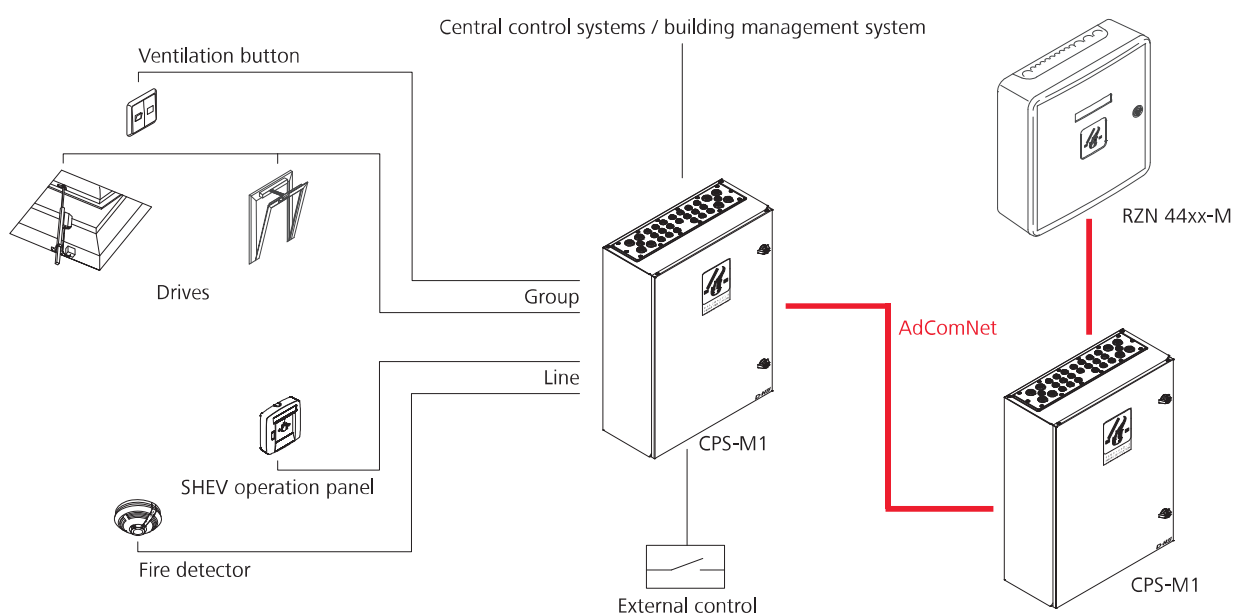
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Sensor systems



starting on page 140

Example of application



Technical data

	CPS-M1-080
Supply	230 V AC / 50 Hz / 2080 VA
Output	24 V DC / 80 A
Ripple	< 50 mVss
Mode of operation monitoring	Pulse operation
Mode of operation Alarm / Ventilation	Short-time duty 30 % duty cycle
Type of protection	IP 54
Temperature range	-5 °C ... +40 °C
Housing	Steel sheet
Colour	Light grey (~ RAL 7035)
W x H x D	800 x 1000 x 300 mm
Battery type	Typ 6 (4x)

Batteries must be ordered separately.

Design

Type	Art. No.	Number of TMA	Number of AM	Line / Group	Weight
CPS-M1-080-0410	31.701.00	2	5	4 / 10	58.50 kg

Approvals / Certificates

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CPS-M1-080



Performance features

- » Power supply of connected drives with up to 80 A total current consumption
- » Approved by VdS in accordance with EN 12101-10
- » AdComNet bus system for seamless networking of the modules within the CPS-M and further D+H AdComNet components
- » Bidirectional communication with ACB compatible drives
- » Supply connection and communication using integrated plug connectors
- » Customisable, programmable control panel functions
- » Sleek menu guidance using a 3.5" Full Colour Touch Panel, through which the system states of the individual modules can be visually observed (optional)
- » Freely selectable line/group assignment
- » TMA trigger module: 2 independent lines to connect up to 10 SHEV operation panels each and 30 fire detectors
- » AM actuator module: 2 independent groups for connecting drives, each with a total maximum current of 10 A

Accessories

Module sets



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Battery



starting on page 92

SHEV operation panels



starting on page 78

Alarm devices



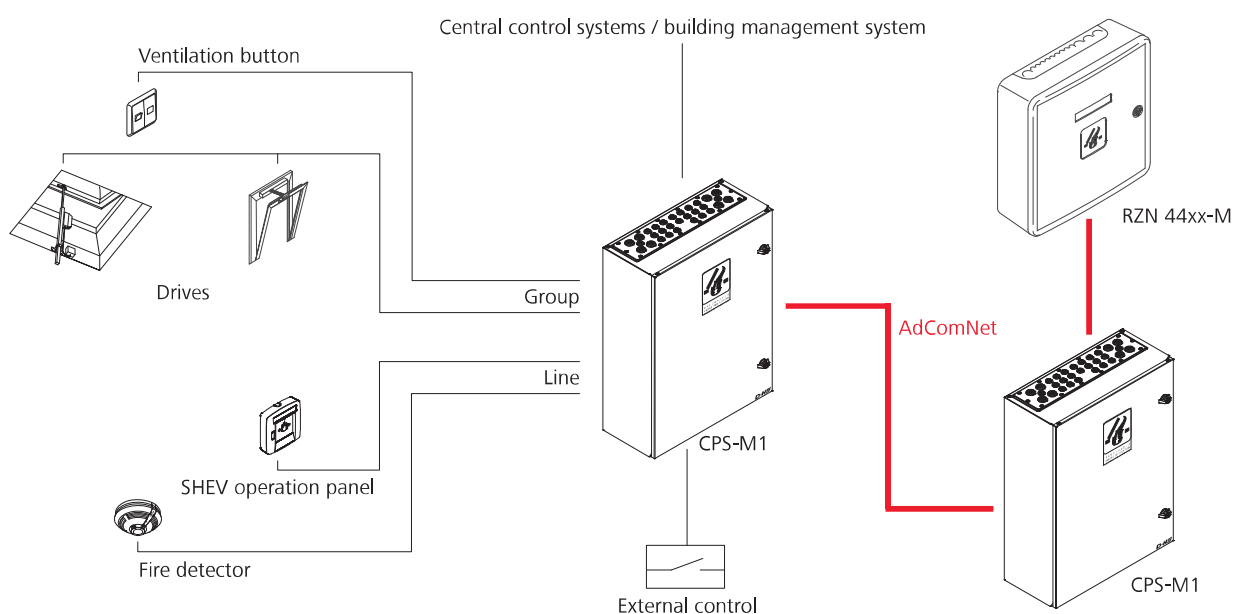
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Sensor systems



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Example of application



Technical data

	CPS-M1-060
Supply	230 V AC / 50 Hz / 1570 VA
Output	24 V DC / 60 A
Ripple	< 50 mVss
Mode of operation monitoring	Pulse operation
Mode of operation Alarm / Ventilation	Short-time duty 30 % duty cycle
Type of protection	IP 54
Temperature range	-5 °C ... +40 °C
Housing	Steel sheet
Colour	Light grey (~ RAL 7035)
W x H x D	600 x 800 x 260 mm
Battery type	Typ 5 (2x) / Typ 6 (2x)

Batteries must be ordered separately.

Design

Type	Art. No.	Number of TMA	Number of AM	Line / Group	Weight
CPS-M1-060-0206	31.700.55	1	3	2 / 6	26.20 kg
CPS-M1-060-0410	31.700.80	2	5	4 / 10	26.50 kg

Approvals / Certificates

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CPS-M1-060



Performance features

- » Power supply of connected drives with up to 60 A total current consumption
- » Approved by VdS in accordance with EN 12101-10
- » AdComNet bus system for seamless networking of the modules within the CPS-M and further D+H AdComNet components
- » Bidirectional communication with ACB compatible drives
- » Supply connection and communication using integrated plug connectors
- » Customisable, programmable control panel functions
- » Sleek menu guidance using a 3.5" Full Colour Touch Panel, through which the system states of the individual modules can be visually observed (optional)
- » Freely selectable line/group assignment
- » TMA trigger module: 2 independent lines to connect up to 10 SHEV operation panels each and 30 fire detectors
- » AM actuator module: 2 independent groups for connecting drives, each with a total maximum current of 10 A

Accessories

Module sets



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Battery



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SHEV operation panels



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Alarm devices



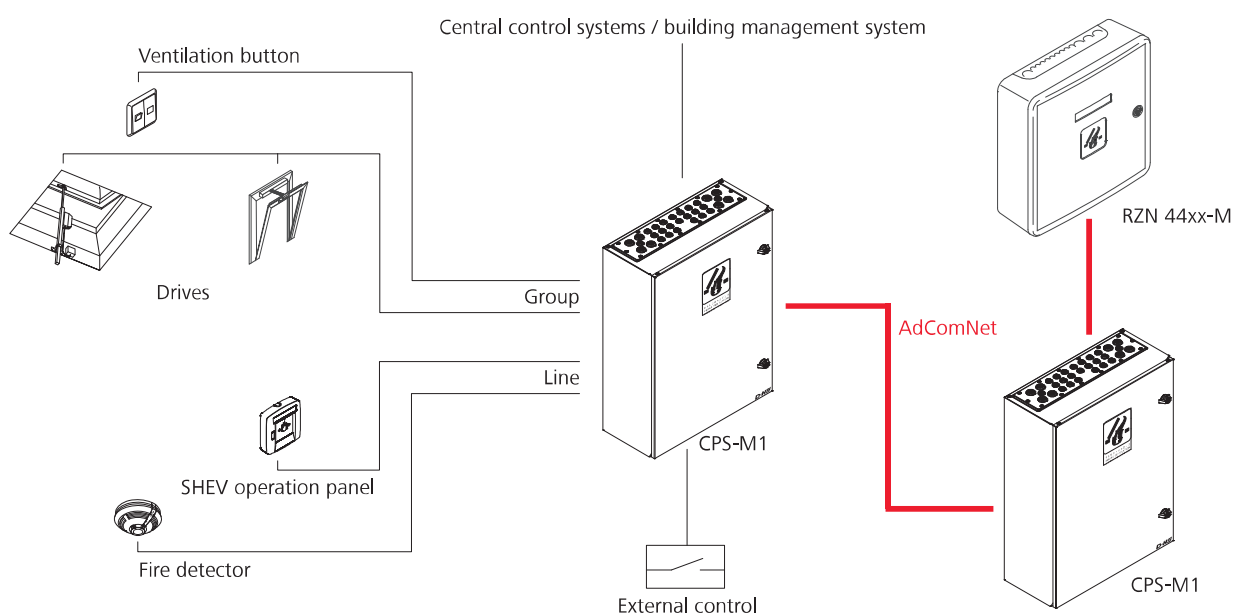
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Sensor systems



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Example of application



Technical data

	CPS-M1-040
Supply	230 V AC / 50 Hz / 1040 VA
Output	24 V DC / 40 A
Ripple	< 50 mVss
Mode of operation monitoring	Pulse operation
Mode of operation Alarm / Ventilation	Short-time duty 30 % duty cycle
Type of protection	IP 54
Temperature range	-5 °C ... +40 °C
Housing	Steel sheet
Colour	Light grey (~ RAL 7035)
W x H x D	600 x 800 x 260 mm
Battery type	Typ 6 (2x)

Batteries must be ordered separately.

Design

Type	Art. No.	Number of TMA	Number of AM	Line / Group	Weight
CPS-M1-040-0204	31.700.30	1	2	2 / 4	24.10 kg
CPS-M1-040-0206	31.700.35	1	3	2 / 6	24.20 kg
CPS-M1-040-0606	31.700.50	3	3	6 / 6	24.40 kg

Approvals / Certificates

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CPS-M1-040



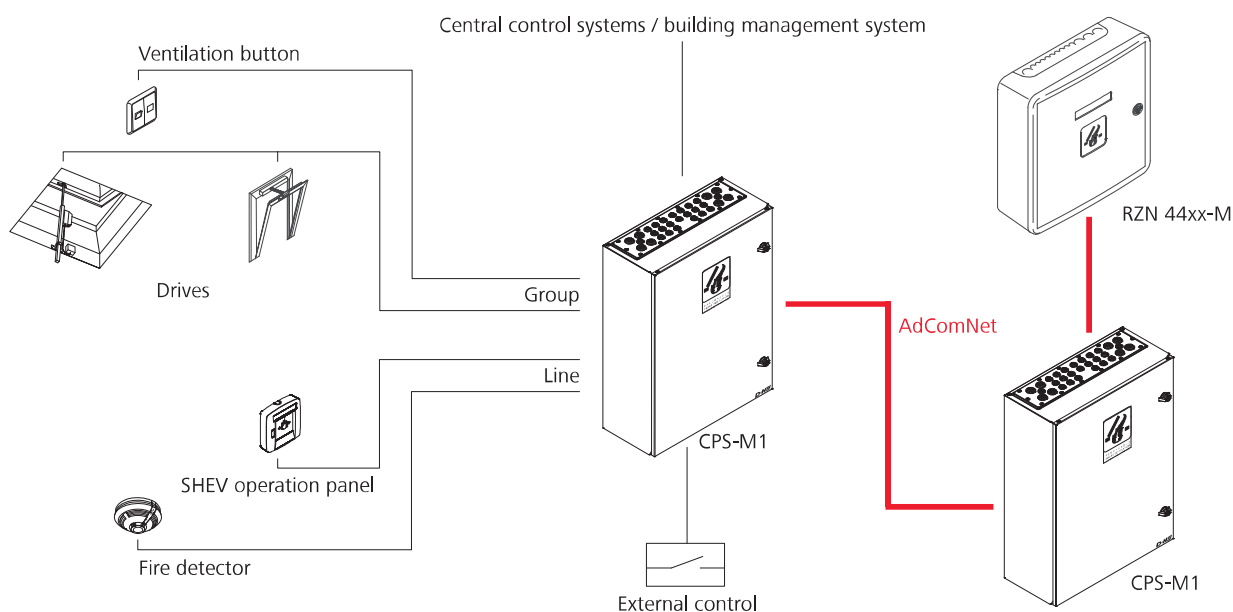
Performance features

- » Power supply of connected drives with up to 40 A total current consumption
- » Approved by VdS in accordance with EN 12101-10
- » AdComNet bus system for seamless networking of the modules within the CPS-M and further D+H AdComNet components
- » Bidirectional communication with ACB compatible drives
- » Supply connection and communication using integrated plug connectors
- » Customisable, programmable control panel functions
- » Sleek menu guidance using a 3.5" Full Colour Touch Panel, through which the system states of the individual modules can be visually observed (optional)
- » Freely selectable line/group assignment
- » TMA trigger module: 2 independent lines to connect up to 10 SHEV operation panels each and 30 fire detectors
- » AM actuator module: 2 independent groups for connecting drives, each with a total maximum current of 10 A

Accessories

Module sets	Battery	SHEV operation panels	Alarm devices	Sensor systems
				
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Example of application



Technical data

	CPS-M1-020
Supply	230 V AC / 50 Hz / 530 VA
Output	24 V DC / 20 A
Ripple	< 50 mVss
Mode of operation monitoring	Pulse operation
Mode of operation Alarm / Ventilation	Short-time duty 30 % duty cycle
Type of protection	IP 54
Temperature range	-5 °C ... +40 °C
Housing	Steel sheet
Colour	Light grey (~ RAL 7035)
W x H x D	500 x 500 x 210 mm
Battery type	Typ 5 (2x)

Batteries must be ordered separately.

Design

Type	Art. No.	Number of TMA	Number of AM	Line / Group	Weight
CPS-M1-020-0202	31.700.10	1	1	2 / 2	17.00 kg
CPS-M1-020-0204	31.700.15	1	2	2 / 4	17.10 kg
CPS-M1-020-0404	31.700.20	2	2	4 / 4	17.20 kg
CPS-M1-020-0606	31.700.25	3	3	6 / 6	17.60 kg

Approvals / Certificates

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CPS-M1-020



Performance features

- » Power supply of connected drives with up to 20 A total current consumption
- » Approved by VdS in accordance with EN 12101-10
- » AdComNet bus system for seamless networking of the modules within the CPS-M and further D+H AdComNet components
- » Bidirectional communication with ACB compatible drives
- » Supply connection and communication using integrated plug connectors
- » Customisable, programmable control panel functions
- » Sleek menu guidance using a 3.5" Full Colour Touch Panel, through which the system states of the individual modules can be visually observed (optional)
- » Freely selectable line/group assignment
- » TMA trigger module: 2 independent lines to connect up to 10 SHEV operation panels each and 30 fire detectors
- » AM actuator module: 2 independent groups for connecting drives, each with a total maximum current of 10 A

Accessories

Module sets	Battery	SHEV operation panels	Alarm devices	Sensor systems
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