

### ORDER DATA

Part.-No.

#### WR-Set Type 7x/8x – Wind and Rain Sensor Set

**482100**

**Application:** Sensors for wind and rain to work with an evaluation unit WRAG2 or Typ IV, a WM Weather-Module or directly with a SHEV control unit, for closing and blocking the natural ventilation under bad weather conditions.



#### TECHNICAL DATA (Rated values)

Rated voltage:	24 V DC (+/- 20%)
<b>Rain sensor Type III</b> – heated sensor surface, switch-off delay approx. 5 min.	
Contact:	1 Change-over switch, max. 48 V / 5A
Current consumption:	<150 mA
Housing:	Surface mounting, ABS black with stainless steel bracket
Dimensions (WxHxD):	100 x 85 x 172 mm
Connection cable:	Non-halogen cable, approx. 4 m
Volt free contac:	1 Change-over switch, max. 48 V / 1A
<b>Wind sensor Type III</b> – Anemometer with 3 impact resistant wind cups (PA6)	
Measuring principle:	Pulse generator
Dimensions:	250 x 250 x 80 mm
Connection cable:	Non-halogen cable, approx. 4 m

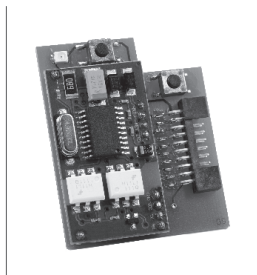
#### Feature/Equipment

- Set including: Wind sensor Type III (Part.-No. 482021), rain sensor Type III (Part.-No. 480210), clamp ring (Part.-No. 515950), aluminium bracket for pole or wall mounting (Part.-No. 482093), without mounting screws

#### BI-K - KNX Interface LZ1 / LZ6 / EMB 7300

**683999**

**Application:** Plug-in card for communication between the controllers **AUMÜLLER** LZ1, LZ6 and EMB 7300 to the KNX BUS system.



#### TECHNICAL DATA

Rated voltage:	24 V DC
Ambient temperature range:	-5°C ... + 40°C
Relative humidity:	(no condensate) 5% ... 90%
Data points:	up to 16 pieces per drive line
BUS current:	9mA
Housing:	without (assembled PCB)
Dimensions (WxH):	51 x 42 mm
Connection terminals:	2 x 2 x 0,8 mm (KNX-BUS-Terminal)

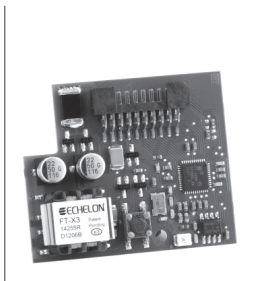
#### Feature/Equipment

- Data of the control (e.g. drive position) are sent on the KNX-BUS.
- The controls received direct orders from the KNX-BUS (e.g. position information, weather data).
- The licensed version of the „EMB compact configurator“ required - for commissioning.

#### LON73

**683243**

**Application:** Plug-in network card for EMB7300 for connection and integration in LON-networks.



#### TECHNICAL DATA

Rated voltage:	24 V DC
Ambient temperature range:	-5°C ... + 40°C
Relative humidity:	(no condensate) 5% ... 90%
Housing:	w/o (assembled PCB)
Dimensions (WxHxD):	40 x 50 x 13 mm
LON-Transceiver:	LPT10
Connection terminals:	Clamping range 0,6 – 0,8 mm (rigid wire) (included in delivery)

#### Feature/Equipment

- Connector for plugging the network card to the motherboard.
- Plastic holder for fixing the plug-in card on the motherboard .
- Configuration of the functional performances of connected control units via LON-Maker or compatible software.
- The licensed version of the „EMB compact configurator“ required - for commissioning.

### OPTIONS

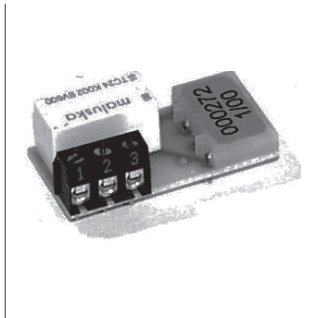
#### LON programming

Programming the LON73 - 2x EMB7300 master / slave

**683270**

## ORDER DATA

		Part.-No.		
<b>REL65</b>		<b>650200</b>		
<b>Application:</b> Plug-in card for EMB7300 with relay for forwarding the alarm or fault signal to external devices.				

**TECHNICAL DATA**

Rated voltage: 24 V DC  
 Ambient temperature range: -5°C ... + 40°C  
 Housing: w/o (assembled PCB)  
 Dimensions (WxHxD): 20 x 40 x 13 mm

Volt free contac: 1 Change-over switch, max. 48 V / 1A  
 Connection terminals: 3x 1,5 mm<sup>2</sup> (rigid wire)

**Feature/Equipment**

- Connector for plugging the relay card to the motherboard

<b>7xPSB</b>		<b>683256</b>		
<b>Application:</b> Plug-in card for EMB7300 for connection and powering of external consumers with <b>24 V DC voltage</b> .				

**TECHNICAL DATA**

Rated voltage: 24 V DC  
 Ambient temperature range: -5°C ... + 40°C  
 Output current: **0,5 A**  
 Housing: w/o (assembled PCB)  
 Dimensions (WxHxD): 20 x 32 x 13 mm

Connection terminals: Screw terminals 1,5 mm<sup>2</sup> (rigid wire)  
 Voltage tap: 2 terminals 24 V DC backup voltage supplied  
 2 terminals 24 V DC mains voltage supplied

**Feature/Equipment**

- Connector for plugging the card to the motherboard
- Screw-type-terminal 4 x 1,5 mm<sup>2</sup>

**NOTE:** The overall power consumption of connected external consumers is to be considered!

### ORDER DATA

Part.-No.

<b>USB-Cable</b>	<b>683253</b>			
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**Application:** USB-Cable for connecting a PC with EMB7300 to configurate basic and special functions.



#### TECHNICAL DATA

USB-Standard: USB2  
Cable length: 3 m

#### Feature/Equipment

- Software „EMB-Compact“ required!

### Accumulators

**Application:** Maintenance of standby operation of SHEV control units over a period of 72 hours of main power supply loss.



#### TECHNISCHE DATEN

Type: Lead storage battery  
Output voltage: 12 V DC  
Capacity: see order data  
Lifetime: 4 years (normal conditions)  
Connections: 1,2 – 12 Ah: blade terminals 4,8 mm  
17 – 38 Ah: screw terminals M5  
Housing: plastic, impact- and break-resistant

#### Feature/Equipment

- Maintenance free operation, long lasting durability, high charging performance and long-cycle stability
- Disposal due to local, national or international rules (WEEE)

**NOTE:** Always 2 batteries are required per control unit!

### OPTIONS

#### for control units with backup power supply

2,2/2,3 Ah, 12 V	1 Pcs.	<b>541000</b>		
7 Ah, 12 V	1 Pcs.	<b>542000</b>		

### SOFTWARE / LICENSE / PROGRAMMING

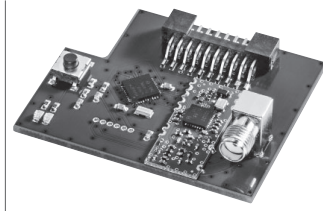
<b>Configuration software for extended scope of functions</b>	Part.-No.			
First software license (3 years)	<b>683260</b>			
Follow-up software license (3 years)	<b>683261</b>			
Configuration of customized functions at the factory for one Control Unit	<b>683262</b>			

ORDER DATA

Part.-No.

<b>Receiver plug-in card radio SHEV</b>	<b>528738</b>		
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**Application:** Plug-in card for radio communication between the **AUMÜLLER** SHEV Control Unit EMB 7300 and up to 10 Radio-HSE.



**TECHNICAL DATA**

Rated voltage: 24 V DC  
 Ambient temperature range: -5°C ... + 40°C  
 Relative humidity: (no condensate) 5% ... 90%  
 Housing: without (assembled PCB)  
 Dimensions (WxH): 51 x 42 mm

Connection: SMA antenna connection

**RADIO**

**Feature/Equipment**

- Production of a bidirectional communication between **Radio-HSE** and **AUMÜLLER** SHEV Control Unit EMB 7300.
- The licensed version of the „EMB compact configurator“ required - for commissioning.

<b>Radio Antenna</b>	<b>528737</b>		
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**Application:** Radio Antenna for radio communication between the **AUMÜLLER** SHEV - Control Unit EMB 7300 and up to 10 Radio-HSE (Break-glass unit main control panel).



**TECHNICAL DATA (Rated values)**

Ambient temperature range: -5°C ... + 40°C  
 Relative humidity: (no condensate) 5% ... 90%

Dimensions (WxHxD): 34 x 265 x 82 mm  
 Connection: SMA antenna connection

**RADIO**

**Feature/Equipment**

- Production of a bidirectional communication between Radio-HSE and EMB 7300.
- The licensed version of the „EMB compact configurator“ required - for commissioning.

<b>Radio-HSE - Break-glass unit main control panel (plastic)</b>			
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**Application:** Break-glass unit with indicators and buttons for the manual control of the emergency open and close functions of a SHEV group, for radio-connection in the **AUMÜLLER** SHEV - Control Unit EMB 7300.



**TECHNICAL DATA (Rated values)**

Operating voltage: 3,6 V DC  
 Ambient temperature range: -5°C ... + 40°C  
 Housing: Surface mounting, plastic (ABS)  
 Dimensions (WxHxD): 130 x 130 x 32 mm  
 Protection rating: IP30

Display: Emergency OPEN, power, fault  
 Control elements: Buttons for emergency OPEN / CLOSE

**RADIO**

**Feature / Equipment**

- Lockable, glazed door (including key)
- Radio button
- 3,6 V Lithium battery
- The licensed version of the „EMB compact configurator“ required - for commissioning.

**VERSIONS**

<b>Radio-HSE</b>	plastic red	(similar to RAL 3000)	<b>528731</b>		
<b>Radio-HSE</b>	plastic yellow	(similar to RAL 1018)	<b>528732</b>		
<b>Radio-HSE</b>	plastic grey	(similar to RAL 7035)	<b>528733</b>		
<b>Radio-HSE</b>	plastic blue	(similar to RAL 5015)	<b>528734</b>		
<b>Radio-HSE</b>	plastic orange	(similar to RAL 2011)	<b>528735</b>		

**OPTIONS**

<b>Spare battery 3,6 V Lithium</b>	<b>545050</b>		
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**RADIO**

### ORDER DATA

Part.-No.

**Radio Ventilation Control FLS 24V**

**623000**

**Application:** Room automation control unit for one drive 24 V DC or one SHEV Control Unit, including a weather station with rain, temperature, sun and wind sensor and a radio control with indoor temperature sensor.



#### TECHNICAL DATA

<b>Radio control frequency:</b>	868,2 MHz
<b>Control Panel</b>	
<b>Housing:</b>	plastic material
Total weight:	approx. 170 gr. (including batteries)
<b>Colour:</b>	matt white (similar to RAL 9016)
Mounting:	surface mounted (aP)
Dimensions (W x H x D):	approx. 103 x 98 x 28
Ambient temperature range:	operation 0...+50°C, storage -10...+50°C
Ambient air humidity:	max. 80% rF, avoid bedewing
Operating voltage:	2 x 1,5V (2 batteries, AA / mignon / LR6) <b>or</b> 2 x 1,2V (2 rechargeable batteries, AA / mignon / LR6)
<b>Weather Station</b>	
<b>Housing:</b>	plastic material
Total weight:	approx. 200 gr.
Colour:	white / translucent
Mounting:	surface mounted (aP)
Protection rating:	IP 44
Dimensions (W x H x D):	approx. 96 x 77 x 118
Ambient temperature range:	operation -30...+60°C, storage -30...+70°C
Operating voltage:	12 - 40 V DC
Power consumption:	approx. 2,2 W (at 24 V), standby approx. 2 W (at 24 V)
Switching capacity relay:	(OPEN / CLOSE / COM) volt free contacts
Rain sensor heating:	approx. 1,2 W
Temperature measurement range:	-40...+80°C
Wind measurement range:	0...35 m / sec
Brightness measurement range:	0...150 kLux

#### Feature/Equipment

- Radio connection between weather station and control panel.
- Control panel for basic setting, setting of the automatic function and for manual operation.
- Opening position adjustable for automatic mode (e.g. open only halfway).