



Available in

2,5 A

5 A

10 A

20 A

VdS

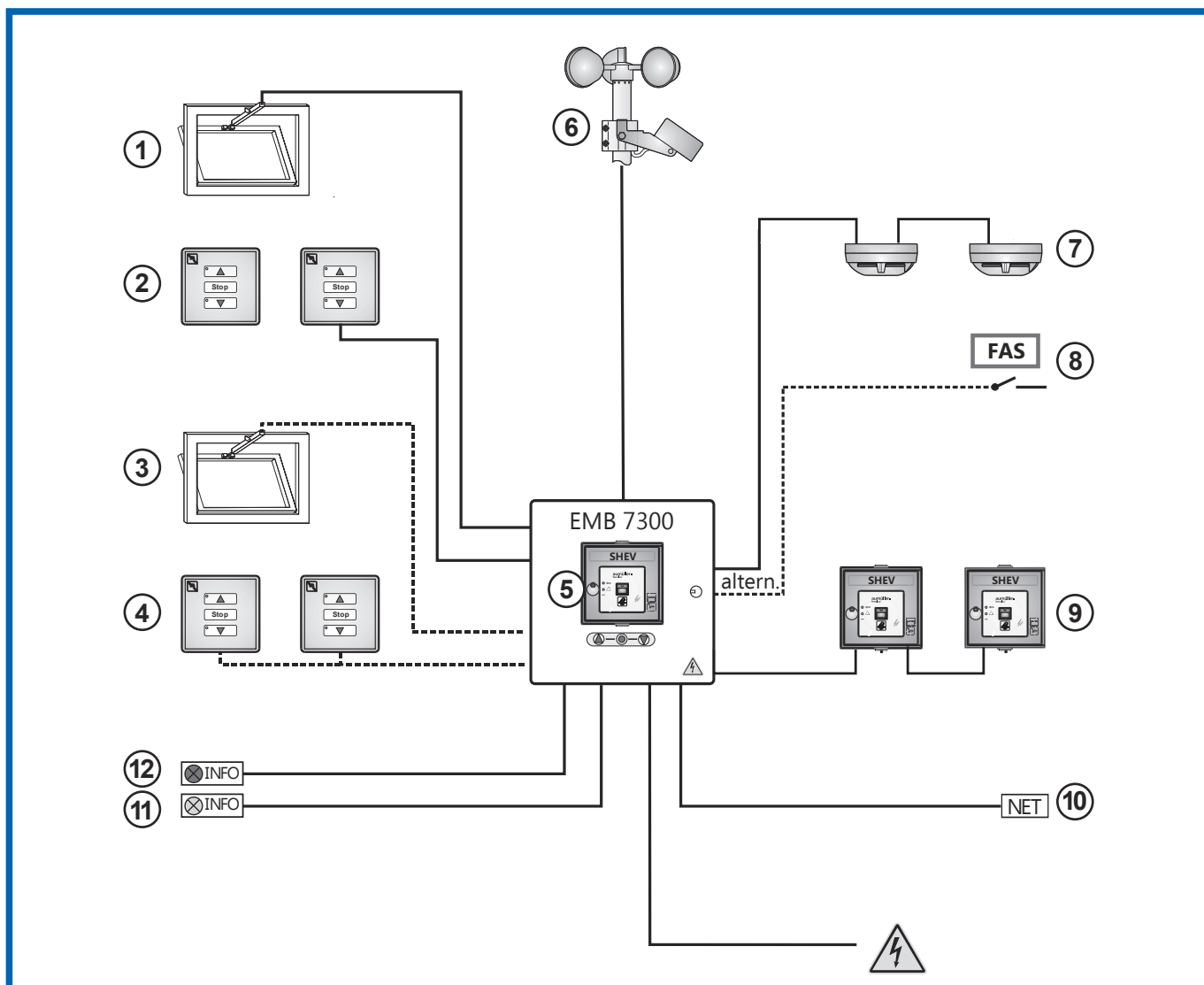
tested
 electrical control
 device EMB 7300
 with
 recognition number
 G 514001

EMB 7300 - THE COMPACT SOLUTION FOR ALL CASES

- To fit perfectly
 - Cable entry from top / bottom / rear
 - Plug-in terminals for simplified connection
 - Housing door removable for better accessibility
 - Cost saving because of quick and easy installation
- Configuration with user-friendly software
 - Configuration can be created without the center
 - A configuration created can be imported into any number of centers
 - saves time during installation on site
- Connection to a BMS via LON and KNX
 - Integration of the centers in a BMS possible
 - Distributed SHEV and ventilation systems possible
- Currents of 2,5A to 20A available: One control unit - many uses
- Certification
 - According VdS guidelines for natural smoke extraction systems
 - According EN 12101-10
- Highest functionality without additional modules through the „EMB compact“ software

| PRODUCT FEATURES EMB 7300 | |
|---------------------------|--|
| ▪ | Controls 24 V DC drives for smoke and heat exhaust in case of fire and for natural ventilation |
| ▪ | Control panel compliant with prEN 12101-9 |
| ▪ | Power supply compliant with EN 12101-10 |
| ▪ | Low ripple voltage output (< 2 Vpp) - compatible with all common drives |
| ▪ | 1 SHEV-Group output with 1 (optional 2) monitored ventilation line(s) |
| ▪ | Removable terminals for easy connection of signal lines |
| ▪ | Connection of electric motors, compressed gas equipment and retention magnets |
| ▪ | 2 detector line inputs with line monitoring to connect: <ul style="list-style-type: none"> ▪ Manual break-glass units (HSE), ▪ Automatic smoke and heat detectors or fire alarm control unit |
| ▪ | 1 Ventilation line input (optionally 2) with OPEN-STOP-CLOSE function |
| ▪ | 2 Plug-in module slots for signal monitoring and transduction (emergency open, fault) |
| ▪ | 1 Network port for connection and integration in building management systems (LON, KNX) |
| ▪ | Direct connection input for wind and rain sensors |
| ▪ | Clear operating and display elements |
| ▪ | Extensive setting options via „EMB compact“ software |
| ▪ | Housing (optional) with integrated break-glass unit and ventilation button (2,5 A / 5 A) |
| ▪ | Lead frame usable for flash mounting (2,5 A / 5 A) |
| ▪ | Cable entry from above, below or behind of the housing |
| ▪ | Prepared for connection of backup batteries (72 hours) |
| ▪ | VdS certification no.: G 514001 |

| SOFTWARE FUNCTIONS | | |
|---|----------|---------|
| Functions | Standard | License |
| Set ventilation inputs from dead-man to jog-switch mode (in OPEN and / or CLOSE direction) | ✓ | ✓ |
| Set failures of drive line monitoring as alarm signal | ✓ | ✓ |
| Disable alarm function caused by failures of detector line monitoring | ✓ | ✓ |
| Adjust switching threshold of wind sensor | ✓ | ✓ |
| Set drive run time and opening stroke limit for ventilation purpose | ✓ | ✓ |
| Enable and set automatic time-controlled drive line closing mode for ventilation purpose | ✓ | ✓ |
| Enable drive line closing mode on primary power loss | ✓ | ✓ |
| Set acoustic or optical warning signals (additional hardware required) | ✓ | ✓ |
| Display, save and print the status of the system | ✓ | ✓ |
| Firmware update | ✓ | ✓ |
| Set emergency close button from jog-switch mode to dead-man mode | ✓ | ✓ |
| Set next service and maintenance date (password protected) | -- | ✓ |
| Set switch-on delay time for wind sensor | -- | ✓ |
| Set switch-off delay time for wind sensor | -- | ✓ |
| Disable retriggering of drive lines in alarm mode | -- | ✓ |
| Active / disable manual breakglass unit lines (HSE) | -- | ✓ |
| Active / disable smoke detector lines | -- | ✓ |
| Enable smoke detector line input to be controlled by fire alarm systems "FAS" | -- | ✓ |
| Set automatic switch-off time for drive lines | -- | ✓ |
| EMERGENCY-CLOSE button while the smoke detector is active / disable | -- | ✓ |
| Set drive running direction in alarm mode from open to close | -- | ✓ |
| Set options of relay card REL65 (not in package) | -- | ✓ |
| Set alarm functions for faults caused by each individual drive line (only 2 drive line version) | -- | ✓ |
| Reset switch positions to the status before the weather control were activated | -- | ✓ |
| Integration into digital networks with additional plug-in interface modules (LON, KNX) | -- | ✓ |
| Function natural ventilation control unit | -- | ✓ |
| Setting operatingmodus (retention magnet / standard drive / pressure gas) | -- | ✓ |
| SHEV dead-man | -- | ✓ |
| Ventilation push button setting parallel operation | -- | ✓ |
| Maintenance timer adjust | -- | ✓ |
| OPEN case of line failure | -- | ✓ |
| Activate with Reset button EMERGENCY-CLOSE | -- | ✓ |
| Configure Content collective fault | -- | ✓ |



CAPTION

| | |
|---|--|
| ① | Output for drive line 1, 24 V DC for smoke and heat exhausting and natural ventilation |
| ② | Input for ventilation line 1 (max. 10 vent buttons) |
| ③ | Output for drive line 2 (only for EMB 7300 5 A – 0102; 10 A – 0102; 20 A – 0102) |
| ④ | Input for ventilation line 2 (max. 10 vent buttons) (only for EMB 7300 5 A – 0102; 10 A – 0102; 20 A – 0102) |
| ⑤ | Housing of control unit with or without integrated break-glass unit and ventilation button |
| ⑥ | Connections for wind and rain sensor (disabled in case of alarm and power loss) |
| ⑦ | Input for smoke detectors (max. 10) |
| ⑧ | Input for signal from external fire alarm system (alternative connection) |
| ⑨ | Input for break-glass units (HSE – max. 10) |
| ⑩ | Port for network integration (requires additional module) |
| ⑪ | Output for signal transduction 1 (plug-in module REL65 required) |
| ⑫ | Output for signal transduction 2 (plug-in module REL65 required) |
| | ----- only available for EMB 7300 5 A – 0102; 10 A – 0102; 20 A – 0102 |