

ACU DG-S module



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- Compact DIN bars installation
- Dual assignable screw terminals for conductors with the same diameter
- Integrated, switchable bus terminal resistors
- Six freely configurable short-circuit/interruption-tolerant 24V inputs
- Four configurable potential-free signal contacts with separate roots
- Two configurable 24V CD outputs for additional relays
- Color LED indicators for ready status, battery mode, malfunction and scenario active
- Innovative, transmission-safe ACU DG-S bus communication
- Automatic activation of safety lighting following interruption of bus communication
- Functional upon activation of battery deep discharge protection or HMI outage
- Meets all EMV requirements for industrial and commercial use
- DEKRA system certification documents product quality and compliance with standards for the entire system
- Functionality for 30 minutes in the event of fire verified in a fire test conducted by an independent materials testing institute
- Conforms to RoHS and REACH

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|-------------------------------|--|
| Degree of protection | IP20 |
| Protection class | II |
| Ambient temperature range | -5°C – +55°C |
| Relative humidity | 10 – 95%, non-condensing |
| Electromagnetic compatibility | Industrial EN 61000-6-2, Commercial EN 61000-6-3 |
| Max. pollution level | 2 |
| Overvoltage category | II for battery circuit |
| Power consumption | 2 W |

Order details

| Model | Included with delivery | Order no. |
|-----------------|--|-------------|
| ACU DG-S module | Control module for top-hat rail installation | 40071361600 |

Wiring diagram: ACU Bus – X2.A

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|---------------------------------------|--|
| Rated voltage | ≤ 30V (SELV) |
| Rated current | ≤ 0.09A short-circuit-proof |
| Bus topology | Line |
| Cable type | such as IY(ST)Y 4x2x0.8 mm |
| Maximum cable length | 900 m |
| Terminating resistor | Switchable via DIL switch on ACU DG-S. |
| Maximum number of DualGuard-S systems | 32 |

