

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
- Proof of function in DualGuard-S distributors of type ESF30 15-P and 30-P for 30 minutes in case of fire by means of a fire test of an independent material testing institute
- Conforms to RoHS and REACH

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
For supplying the SOU, 3-PM-IO, RCM, TLS.1 and LON Repeater modules	15 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	
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

