ACU DG-S module

- 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

### 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Included with delivery</th>
<th>Order no.</th>
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<tbody>
<tr>
<td>ACU DG-S module</td>
<td>Control module for top-hat rail installation</td>
<td>40071361600</td>
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</tbody>
</table>

### Wiring diagram: ACU Bus – X2.A

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