

3PM-S Module

DualGuard-S - central battery system

3PM-S Module



3PM-S phase monitoring module

To avoid hazards from power outages, the functionality of the light distributors for the general lighting must be continuously monitored to turn on safety lighting in the event of a disruption. This monitoring can be accomplished by using the 3PM-S module. In the event of a phase outage, the 3PM-S module switches a relay contact and interrupts the connected 24V current loop of the emergency lighting system. All safety lights set to non-maintained mode switch on after the 24V current loop is interrupted. The function of the module can be tested via the test button. The test is done without disconnecting a phase or switching off a circuit breaker. This means the general lighting stays on during the test procedure and the daily business can continue.

- Small footprint of the module, only 1 mounting unit is needed
- Automatic record keeping in inspection log. Fulfills the documentation requirements for emergency lighting systems.
- Test button for a mains failure. There is no need to interrupt mains voltage and therefore no disruption of operations
- No E30 wiring necessary, since the 24V current loop is short-circuit and interruption-tolerant. This results in significantly simpler installation and cost savings.
- Meets all EMV requirements for industrial and commercial use
- DEKRA system certification documents product quality and compliance with standards for the entire system

Technical Data

Housing / Top / Bottom	Plastic / light grey / black
Dimensions W x H x D mm	17,8 x 91 x 64,3 / 1 MU
Mounting	DIN Rail
Terminals	2.5 mm ² solid and flexible
Weight	0,06 kg
Degree of protection	IP20
Rated voltage	220-240 V AC
Input net frequency	50 / 60 Hz
Power consumption	< 1W
Ambient storage / shipping temperature	-20°C - +65°C
Ambient operation temperature	-5°C - +55°C
Air pressure	795 to 1080hPa
Maximum mounting height	2000m
Degree of pollution	2
Relative humidity	10%...95% no condensation

Functional Table

Function	Settings
System	DG-S, LS-S, DualSmart, LP-Star, AT-S+, ZB-S, CG 2000
Contact	1 x relay contact Normally open (max. 0,5A at 24V AC/DC)
Input measurement method	Mains monitoring is implemented as 2 Point Measurement Phase to its neutral potential (L-N)
Measurement input switching levels	U input > 195V = ON U input < 138V = OFF
Test button	For manual function test
Status information	3 yellow LEDs, one per phase measuring input

Order details

Model	Included with delivery	Order no.
3PM-S	Phase monitoring module with test button for DIN rail installation	40071363120