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STÖRMELDESISTEME

## MVL 8/0, 4/4, 0/8 digital In- and Output modules for distributor installation

### Type designation:

#### MVL 8/0

module with 24V DC, 5 mA inputs  
(24V optional internal supply)  
and/or S0 counting value inputs

#### MVL 4/4

module with 24V DC, 5 mA inputs  
(24V optional internal supply)  
and/or S0 counting value inputs  
and relay outputs normally open  
max. 250V AC, 5A, 25V DC, 5A

#### MVL 0/8

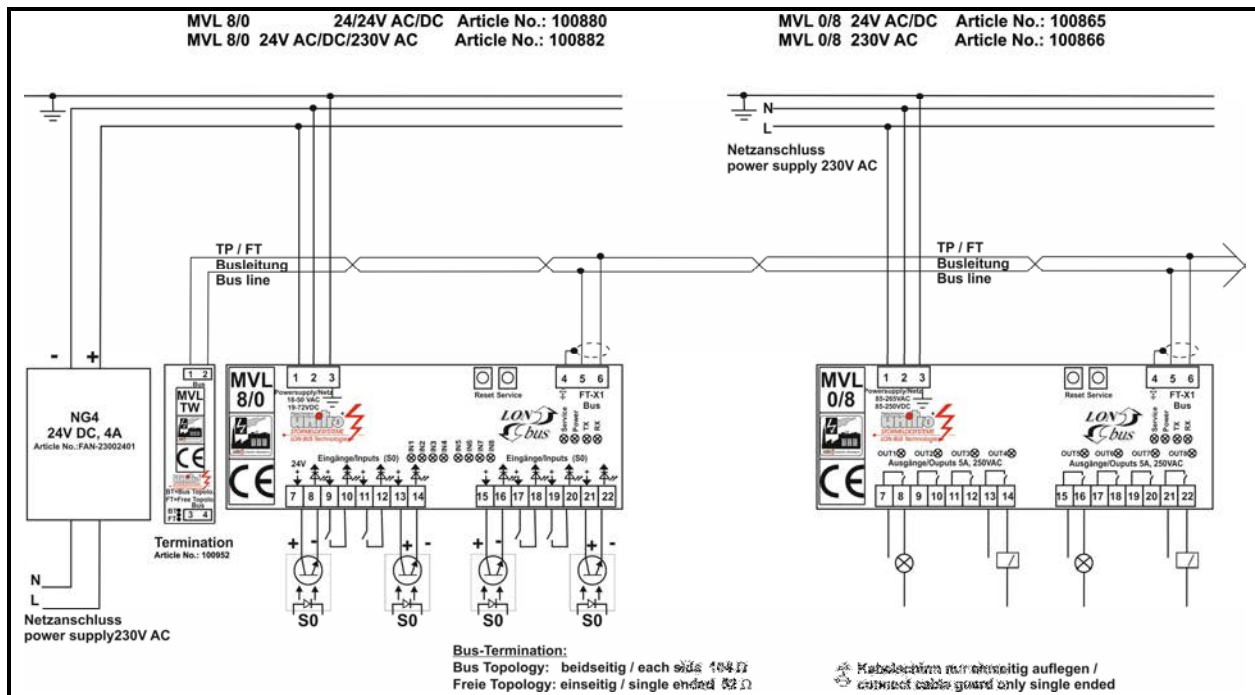
module with relay outputs normally open  
max. 250V AC, 5A, 25V DC, 5A



### System features:

- Snap-on housing for distributor installation in snap-on breakers design 106 x 90 x 58mm high
- Degree of protection IP20
- Wide-range power supply with **85-265V AC / 85-250V DC**  
or **18-50V AC / 19-72V DC**, 100mA
- Connection: Screw-type terminals 2,5mm<sup>2</sup>
- Inputs 24V DC, 5mA or alternatively internal supplied with 24V  
and / or S0 counting value inputs (max. 17Hz)
- Available types:  
MVL 8/0: 8x IN  
MVL 4/4: 4x IN and 4x OUT (normally open)  
MVL 0/8: 8x OUT (normally open)
- Software and LNS 3.x PlugIn for lighting control, blind control, S0-counter capture
- EMC-values: UNITRO-Standard in accordance with EN 61000

## Connection diagram MVL 8/0 and MVL 0/8



### Technical data:

- Type of construction:**  
snap-on housing  
106 x 90 x 58mm high
- Degree of protection:**  
IP20
- Weight:**  
approx. 300g,  
depending on equipment variant
- Climatic conditions:**  
in accordance with UNITRO-Standard
- Connection:**  
screw-type terminals max. 2,5mm<sup>2</sup>
- Function buttons:**  
reset button  
service button
- Supply voltage:**  
24V AC/DC (=15-50V AC, 19-72V DC),  
230V AC/DC (= 85-265V AC, 85-250V DC),  
100mA
- Max. fuse:**  
4A medium slow
- Signal voltage:**  
24V DC ± 10%, 5mA or  
alternatively internal supplied with 24V
- Response delay:**  
25ms
- Minimum signal duration:**  
5ms
- LED-display:**  
operating LED green  
service LED yellow: flashing = device not initialized  
continuous light = error  
TX LED yellow: bus activity device  
RX LED yellow: bus utilization  
for every input and output each 1x red LED
- Neuron chip:**  
3150, 10 MHz + 64kB Flash-EEPROM  
with FT-X transceiver
- Transmission:**  
LON FTT10A two wire (twisted-pair),  
78kbps, max. 2,7km
- Bus connection:**  
isolated transceiver, 500V disconnecting  
insulation voltage
- Relay outputs:**  
isolated normally open: 250V AC, 5A / 25V DC, 5A  
disconnecting voltage: 2000V<sub>rms</sub>  
  
inductive load (contactors):  
mount-in anti-interference capacitors at the coils,  
when driving roller shutter / blind motors, etc. by NO, is for an  
external interlock (up / down) to make!
- Leakage distances and clearances:**  
in accordance with UNITRO-Standard
- EMC, immunity of interference:**  
UNITRO-Standard,  
in accordance with EN 61000