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STÖRMELDESISTEME

MVE 0/8-E, 0/8-L, 8/8-L digital In- Output modules with emergency switches and on-load relay for distributor installation

Type designation:

MVE 0/8-E

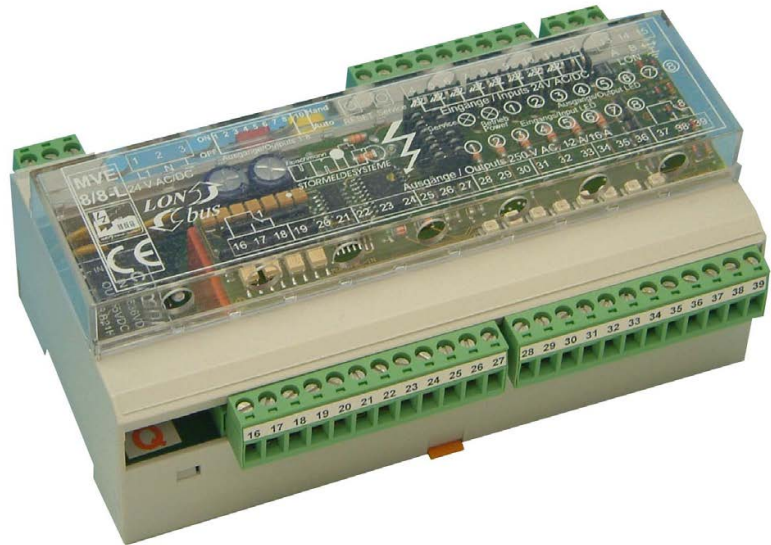
outputs with **normally open** relay,
outputs max. 230V AC, 16A,
max. **inrush current 120A**, 20ms

MVE 0/8-L

outputs with **change-over** relay,
output max. 230V AC, 16A,
max. **inrush current 80A**, 20ms

MVE 8/8-L

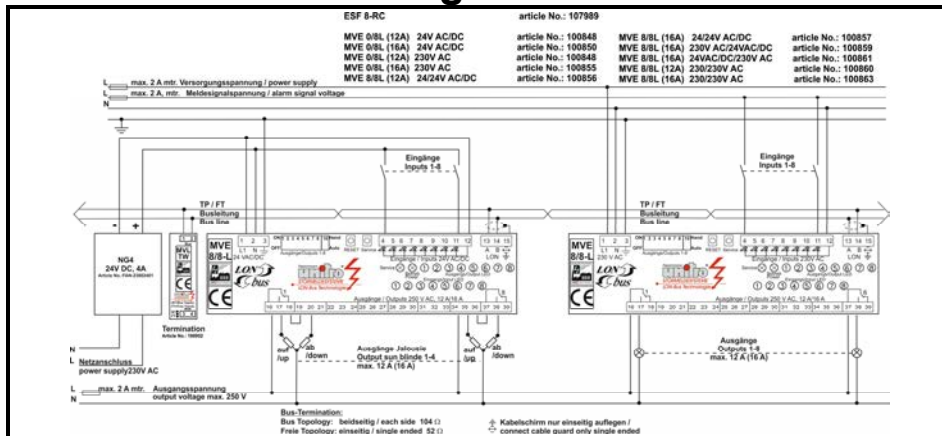
outputs with **change-over** relay,
output max. 230V AC, 16A,
max. **inrush current 80A**, 20ms
inputs: 24V AC/DC or 230V AC



System features:

- Snap-on housing for distributor installation in snap-on breakers design
100 x 75 x 45 (85)mm high
- Degree of protection IP20
- Wide-range power supply with **85-265V AC / 85-250V DC** or 24V AC/DC, 150mA ± 10%
- High-current screw-type terminals, plug connection for connection 2,5mm²
- 8 isolated change-over contacts (MVE 0/8-E normally open) with max. 250V AC, 16A,
inrush current max. **80A**, 20ms (MVE 0/8-E, **120A**, 20ms),
qualified to switch max. **6 EVG** (MVE 0/8-E, max. **8 EVG**)
(type OSRAM Quicktronic De Lux)
- **Emergency operation** to processor-independent operation of the outputs
- EMC-values: UNITRO-Standard in accordance with EN 61000

Connection diagram MVE 8/8-L



Technical data:

- Type of construction:
snap-on housing
150 x 75 x 60 (85)mm high
- Degree of protection:
IP20
- Weight:
approx. 500g,
depending on equipment variant
- Climatic conditions:
in accordance with UNITRO-Standard
- Connection:
high-current screw-type terminals/ plug
connection max. 2,5mm²
- Function buttons:
reset button
service button
- Supply voltage:
24V AC/DC \pm 10%,
230V AC/DC (= 85-265V AC, 85-250V DC),
150mA
- Max. fuse:
4A medium slow
- Signal voltage:
24V AC/DC \pm 10%, 8mA
230V AC \pm 10%, 8mA
isolation by optocouplers 2000V_{rms}
- Response delay:
25ms
- Minimum signal duration:
5ms
- Neuron chip:
3150, 10 MHz + 64kB Flash-EEPROM
- Transmission:
LON FTT10A two wire (twisted-pair),
78kbps, max. 2,7km
- Bus connection:
isolated transceiver, 500V
disconnecting insulation voltage
- LED-display:
operating LED green
service LED yellow: flashing = device not
initialized
continuous light = error
for every input and output each 1x red LED
- Relay outputs MVE 0/8-L and 8/8-L:
8 isolated change-over contacts with **manual
emergency switches:** 250V AC 16A, 30V DC, 7A
max. switching current: normally open: 16A
normally closed: 12A
max. switching capacity: normally open: 4000VA
normally closed: 3000VA
**max. inrush current: normally open contact:
80A, 20ms qualified to switch max. 6 EVG**
(type OSRAM Quicktronic De Lux)
disconnecting voltage: contact / contact 1000V_{rms}
contact / coil 2000V_{rms}
- Relay outputs MVE 0/8-E:
8 isolated normally open contacts with **manual
emergency switches:** 250V AC 16A, 30V DC, 7A
max. switching current: normally open: 16A
max. switching capacity: normally open: 4000VA
**max. inrush current normally open contact:
120A, 20ms qualified to switch max. 8 EVG**
(type OSRAM Quicktronic De Lux)
disconnecting voltage: contact / contact 1000V_{rms}
contact / coil 5000V_{rms}
when driving roller shutter / blind motors, etc. by NO, is for
an external interlock (up / down) to make!
- Inductive load (contactors):
mount-in anti-interference capacitors at the coils
e.g. **EMC suppression module EFS**
- Leakage distances and clearances:
in accordance with UNITRO-Standard
- EMC, immunity of interference:
UNITRO-Standard,
in accordance with EN 61000