



since 1971
the power to control

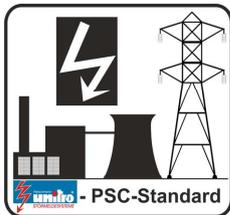
Fleischmann
unitro[®]
STÖRMELDESYSTEME

Compact front panel mounting alarm indicating unit FR 6 PSC programmable, for 6 signals

Type designation:

FR 6 PSC

acknowledgeable new alert flashing alarm with 2 flashing frequencies in accordance with ISA-18.1/DIN 19235, and data retention in the absence of power, for 6 signal inputs



the
**electronic
MULTIPLE
DROP INDICATOR RELAY**
with data retention
in the absence of power



Controls and displays

- Bright 5mm LED display
- Separate status indicator (green = power ON)
- Easily exchangeable label strips
- Integrated functional buttons

Parameterization

- Using integrated function buttons
- Acknowledgeable new alert/first alert flash warning with 1 or 2 flash rates all sequences ISA-18.1-1979 (R2004) and DIN 19235
- Quiescent / operating current – for each signal
- Inputs freely assignable to outputs for each signal
- Response delay variable for each signal, 50ms to 10min

Electrical characteristics

- 6 signal inputs 2-pole, max. 230V AC / 220V DC with filter switching and electrical isolation
- Resolution and switching precision ≥ 1 ms
- EMC-values: Higher immunity levels to UNITRO-EVC-Standard
- Potential-free outputs: relay change-over max. 5A 250V AC, 3A 30V DC (resolution ≥ 10 ms)
- Group signal outputs: relay change-over max. 5A 250V AC, 3A 30V DC
- States saved to memory on power failure

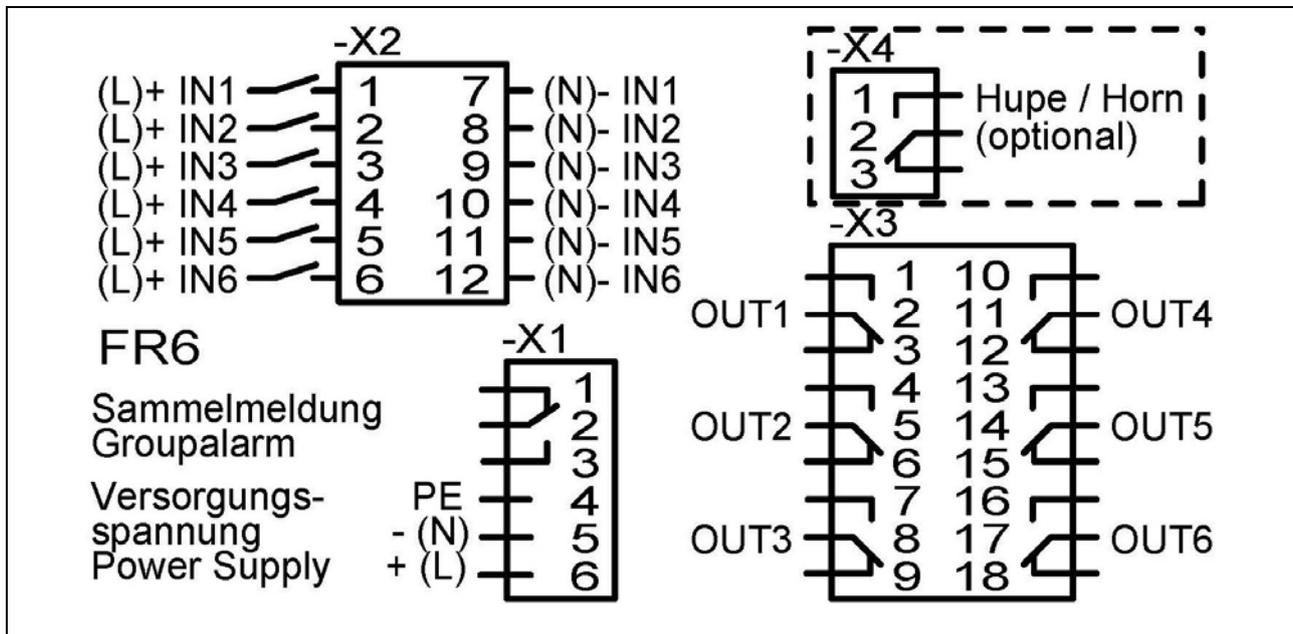
Mechanical characteristics

- Compact plastic junction housing in accordance with IEC 61554 (96 x 96 x 120 + 25mm)
- Connection: Screw-type terminals, plug connection max. 2,5mm²

Option

- Horn output with buzzer: relay change-over max. 5A 250V AC, 3A 30V DC

Connection diagram (PSC-version)



Technical data:

- Type of construction:
control board housing plastic
96 x 96 x 120 + 25mm
(cutting for installation: 92 x 92 + 1mm)
- Degree of protection:
front IP50 (option IP54), rear IP20
- Weight:
approx. 450g
- Climatically conditions:
in accordance with UNITRO-PSC-Standard
- Connection:
screw-type terminals/ plug connection
max. 2,5mm²
- Supply voltage:
24V AC/DC to 230V AC/DC
voltage-adapted
- Alarm signal nominal voltage:
24V AC to 230V AC
24V DC to 220V DC
voltage-adapted
voltage tolerance ±15%
- Input level for signal inputs:

24V AC/DC	± 10% - 15%	1,7mA
60V DC	± 10% - 15%	2mA
110V DC	± 10% - 15%	1,4mA
220V DC	± 10% - 15%	1,1mA
230V AC	± 10% - 15%	1,2mA
- Data retention in the absence of power:
in EEPROM
- Minimum signal duration:
1ms
- LED display:
labeled with exchangeable marking strips

	1 flash frequency:	2 flash frequency:
alarm new alert:	red flashing	red fast flashing
alarm acknowledge:	red steady light	red steady light
alarm removed:	LED off	red slow flashing
alarm Reset:	LED off	LED off

operating-LED (power) = green steady light
- Flashing frequencies:
2Hz / 0,5Hz
- Power loss 100% ED:
max. 2W + 1,5W
attention: from 110V take care for enough ventilation!
- Relay outputs:
max. 5A 250V AC,
3A 30V DC
- Parameterization:
with front buttons
separately: quiescent / operating current
switch-on delay max. 10 min
ONE / TWO flashing frequencies
output contact assignment
- Leakage distances and clearances:
in accordance with UNITRO-PSC-Standard
- EMC, immunity of interference:
UNITRO-PSC-Standard, immunity higher
degrees of severity according to the
actual generic standards DIN EN 61000



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Combinations FR 6 PSC

Typ	Signal- / power supply voltage		Prices in €* on request
FR 6	24-60V DC 24-48V AC	24-60V DC 24-48V AC	on request
FR 6 with horn	24-60V DC 24-48V AC	24-60V DC 24-48V AC	on request
FR 6	110/125V AC/DC	110/125V AC/DC	on request
FR 6 with horn	110/125V AC/DC	110/125V AC/DC	on request
FR 6	220V AC/DC	220V AC/DC	on request
FR 6 with horn	220V AC/DC	220V AC/DC	on request
FR 6	on request		on request
FR 6 with horn	on request		on request

