

**No first up fault annunciator  
8 alarms, with 1-frequency flashlight  
snap on version onto 35mm DIN-rail**

**ESS 8**



**Performance data...**

- Compact fault annunciating module for 24V AC/DC, 230V AC, 220V DC
- extension up to 80 alarms by ESS 8 E
- Alarm and supply voltage at equalized potential
- Lamp voltage potential free
- Triggering of the alarm inputs by arbitrary phase
- Horn and lamp alarm individually acknowledgable
- No activation of horn and collective report during lamp test
- Pluggable terminals
- Break principle and first up alarm on request

### Technical descriptions:

The ESS 8 fault annunciating system is a low-cost no first-up alarm system with visual and audible collective alarms as well as output contacts for lamp tableau and 1-frequency-flashlight. Horn and lamps can be separately acknowledged and a lamp test is available. The contacts for horn and collective lamp are floating NoCs.

If an alarm prevails for more than 100ms, the corresponding indicating lamp flashes as no first-up indication with 1-frequency-flashlight, the horn and collective report are activated and the alarm is stored. Any incoming alarm is indicated by fast flashing. Faults eliminated, but not yet acknowledged are indicated by flashing in phase opposition.

As soon as the acknowledgement buttons for horn and lamp are activated, the horn is muted and the lamp changes from flash to steady light if the alarm still exists; otherwise the indicating lamp is extinguished. The collective report is not extinguished, until all individual alarms have been acknowledged and eliminated.

A connection plan can be found at the lateral wall of each unit.

**With the extension module ESS 8 E**, the number of alarms can be increased up to 80. This module has no horn and collective report relay. According to the connection plan, the flash light synchronisation and control cables as well as the acknowledgement and test cables must be looped from the basic module. As point N is a common reference potential, this line must be wired very carefully. For the flashlight, a line bridge must be made from 21 to 20.

### Technical data:

Series	ESS 8/24	ESS 8 230V AC	ESS 8/220V DC
Alarm-/supply voltage	24V AC/DC +20-15%	230V 50/60Hz +10-15%	160 ... 250V DC
Lamp voltage		up to 250V AC/DC	
Max. input current	approx. 2 mA	approx. 1 mA	approx. 1mA
Switch on delay		approx. 100 ms	
Power consumption		approx. 5W	
Flash light frequency		approx. 1 Hz	
Loads of relay contacts	24V ... 250V AC 2A; 24V DC 2A; up to 110V DC 0,3A 220V DC 0,15A		
Ambient temperature	-20° ..... + 60°C without condensation		
Storage temperature	-20° ..... + 60°C without condensation		
Humidity	=< 75% mean of year (Gr. F DIN 40040		
Mounting position	arbitrary		
Protection	IP 40 and VBG 4 with removed terminals too		
Terminals	1,5 mm <sup>2</sup> pluggable		

Technical changes and errors excepted

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