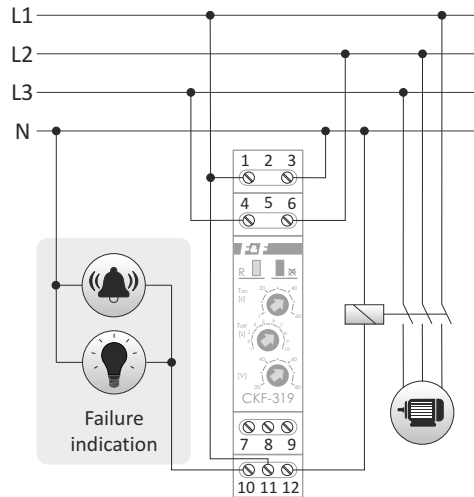


## CKF-319 with adjustable start and return time

### PURPOSE

Phase loss and phase sequence sensor is designed to protect electric motor powered from the three-phase network in following cases:

- \* voltage loss in at least one phase;
- \* voltage drop in at least one phase below 150 V;
- \* voltage increase in at least one phase above 280 V;
- \* voltage asymmetry between phases above the set value;
- \* incorrect phase sequence



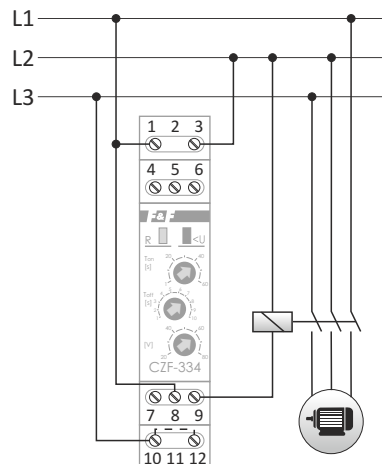
power supply	3×400 V+N
contact	separated 2×NO/NC
maximum load current (AC-1)	2×8 A
power control	2×LED
minimum phase voltage	150 V
maximum phase voltage	280 V
effective voltage unbalance	20÷80 V
return hysteresis	5 V
switching off delay	1÷10 s
return delay	1÷60 s
power consumption	1,6 W
working temperature	-25÷40°C
terminal	
wire	2.5 mm <sup>2</sup> screw terminals
cable	2.5 mm <sup>2</sup> screw terminals
tightening torque	0,4 Nm
dimensions	1 module (18 mm)
mounting	on TH-35 rail
protection level	IP20

## CZF-334 with 2 separated contacts (2×NO/NC)

### PURPOSE

The CZF-334 phase loss sensor without neutral wire is designed to protect electric motor powered from the three-phase network in following cases:

- \* voltage loss in at least one phase;
- \* voltage drop in at least one phase below 320 V;
- \* voltage increase in at least one phase above 480 V;
- \* voltage asymmetry between phases above the set value.



power supply	3×400 V
contact	separated 2×NO/NC
maximum load current (AC-1)	2×6 A
power control	2×LED
minimum phase voltage	320 V
maximum phase voltage	480 V
effective voltage unbalance	20÷80 V
voltage hysteresis	5 V
switching OFF delay	1÷10 s
return delay	1÷60 s
power consumption	1,6 W
terminal	
wire	2.5 mm <sup>2</sup> screw terminals
cord	2.5 mm <sup>2</sup> screw terminals
tightening torque	0,4 Nm
working temperature	-25÷40°C
dimensions	1 module (18 mm)
mounting	on TH-35 rail
protection level	IP20