

DIN Rail Mount 22.5 mm EWS Part number 84892299



Product replaced by the new EWS2 84 873 029

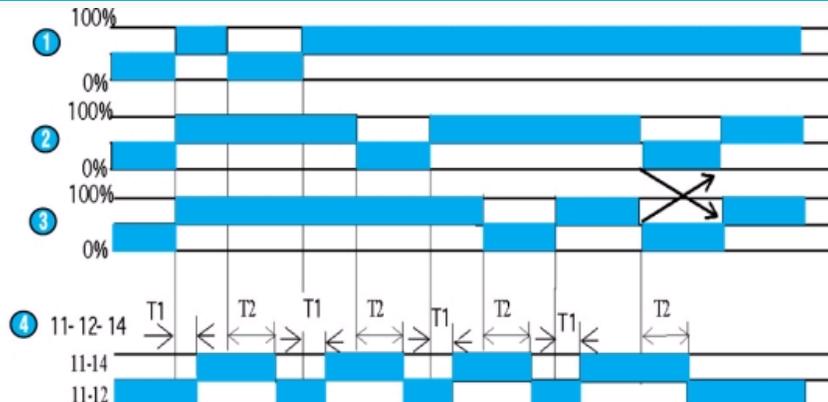
Part numbers

Type	Output relay
84 892 299 EWS	1 changeover

Specifications

Operating range	200 →500 VAC
Operating range	3 AC 230...440 V
Frequency	50 / 60 Hz +/- 1 Hz
Maximum consumption	25 VA
Output relay	1 or 2 changeovers
Type of contacts	No cadmium
Nominal rating	8 A
Maximum breaking voltage	250 V AC
Max. voltage	440 V AC
Nominal breaking capacity	2000 VA
Min. breaking current	10 mA / 5 V
Electrical life (number of operations)	AC 12 : 10^5 at 8A/250 VAC
Maximum rate (at full load)	360 operations / hour
Mechanical life (operations)	2×10^7
Pick-up delay T1	200 ms
Turn-off delay T2	300 ms in the event of phase failure
Connection capacity - without ferrule	2 x 2,5 mm ² 1 x 4 mm ²
Connection capacity - with ferrule	2 x 1,5 mm ²
Max. tightening torque	1 Nm (screw M3 / IEC/EN 60947-1)
Operating temperature range (°C)	-20 →+50
Storage temperature (°C)	-30 →+70
Housing material	Self-extinguishing
Protection (IEC/EN 60529) - Casing	IP40
Protection (IEC/EN 60529) - Term. block	IP20
Dielectric strength (IEC/EN 60255-5)	2,5 KV / 1 mn / 1 mA / 50 Hz
Insulation coordination (IEC/EN 60664-1)	Overvoltage category III, degree of pollution 3
Weight (g)	110

Principles



Operating principle

EWS/EWS2 relays monitor the correct sequencing of phases L1, L2 and L3 as well as the loss of one of these phases.

When the phase sequence is correct, the output relay is energised, indicated by a yellow LED.

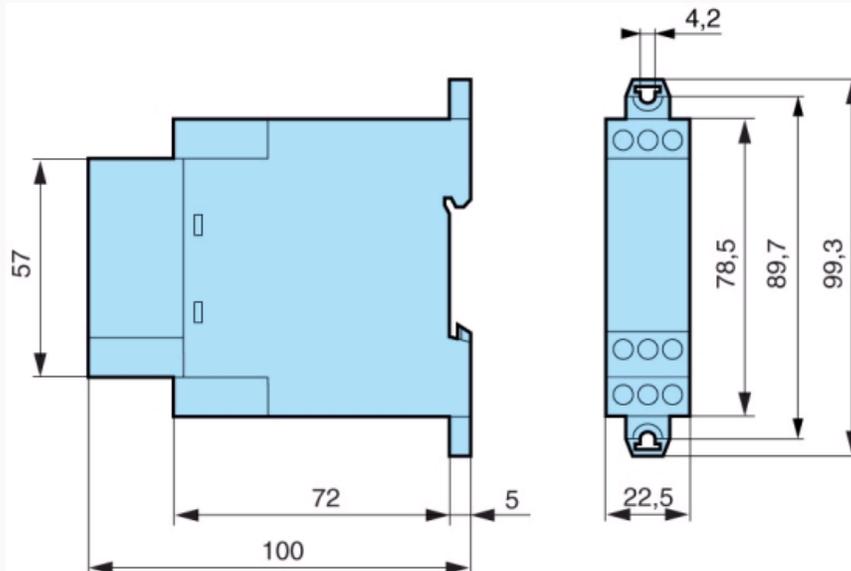
The relay de-energises (LED off) if one of the following faults occurs : Incorrect sequence of phases at terminals L1, L2 and L3

Total loss of one phase or all three phases (loss of phase detection threshold < 50 VAC)

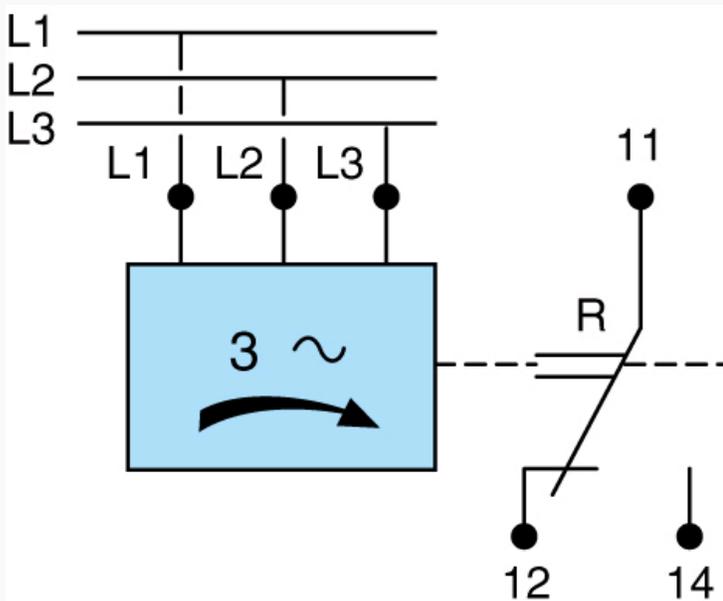
N°	Legend
①	Phase L1
②	Phase L2
③	Phase L3
④	Relay

Dimensions (mm)

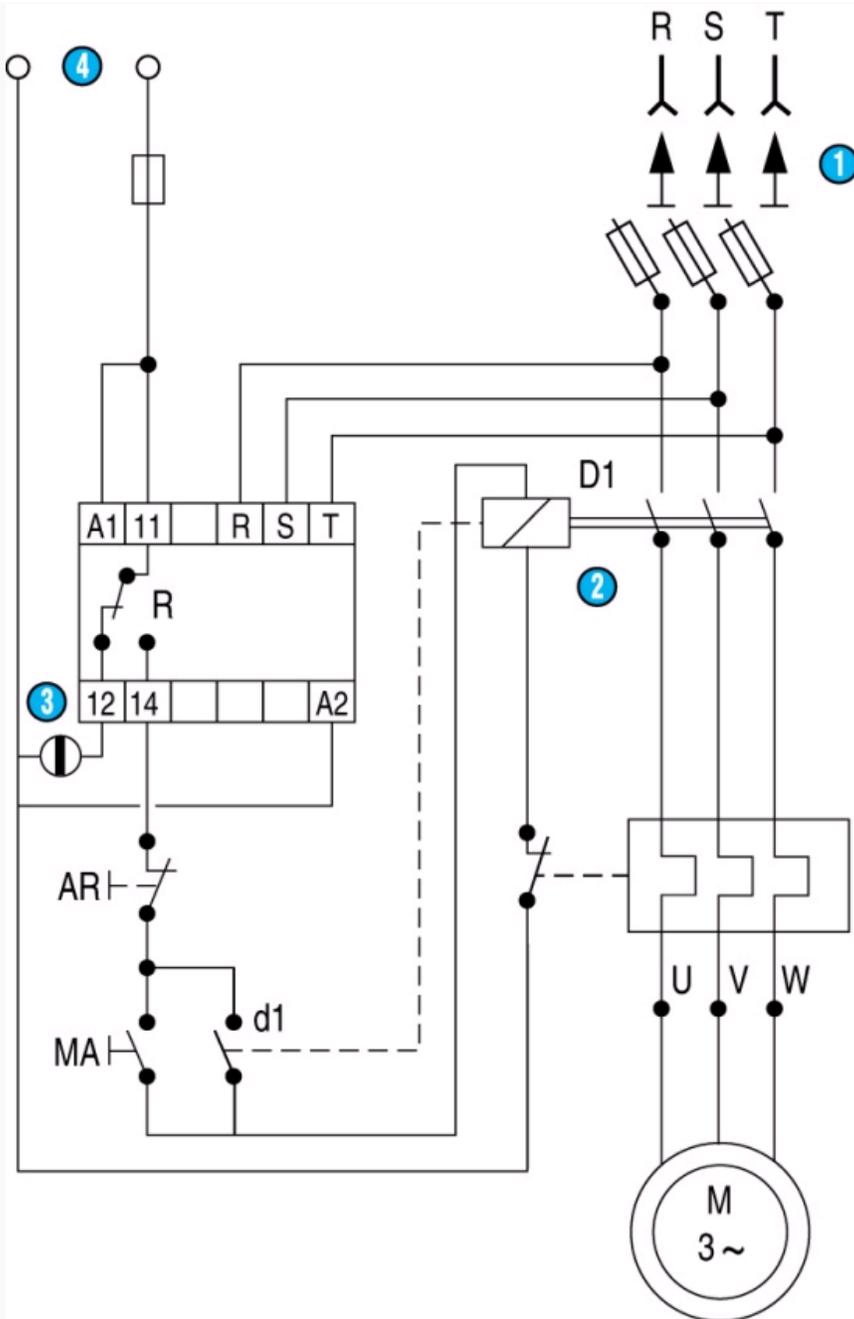
EWS / EWS2

**Connections**

EWS

**Connections**

EWS

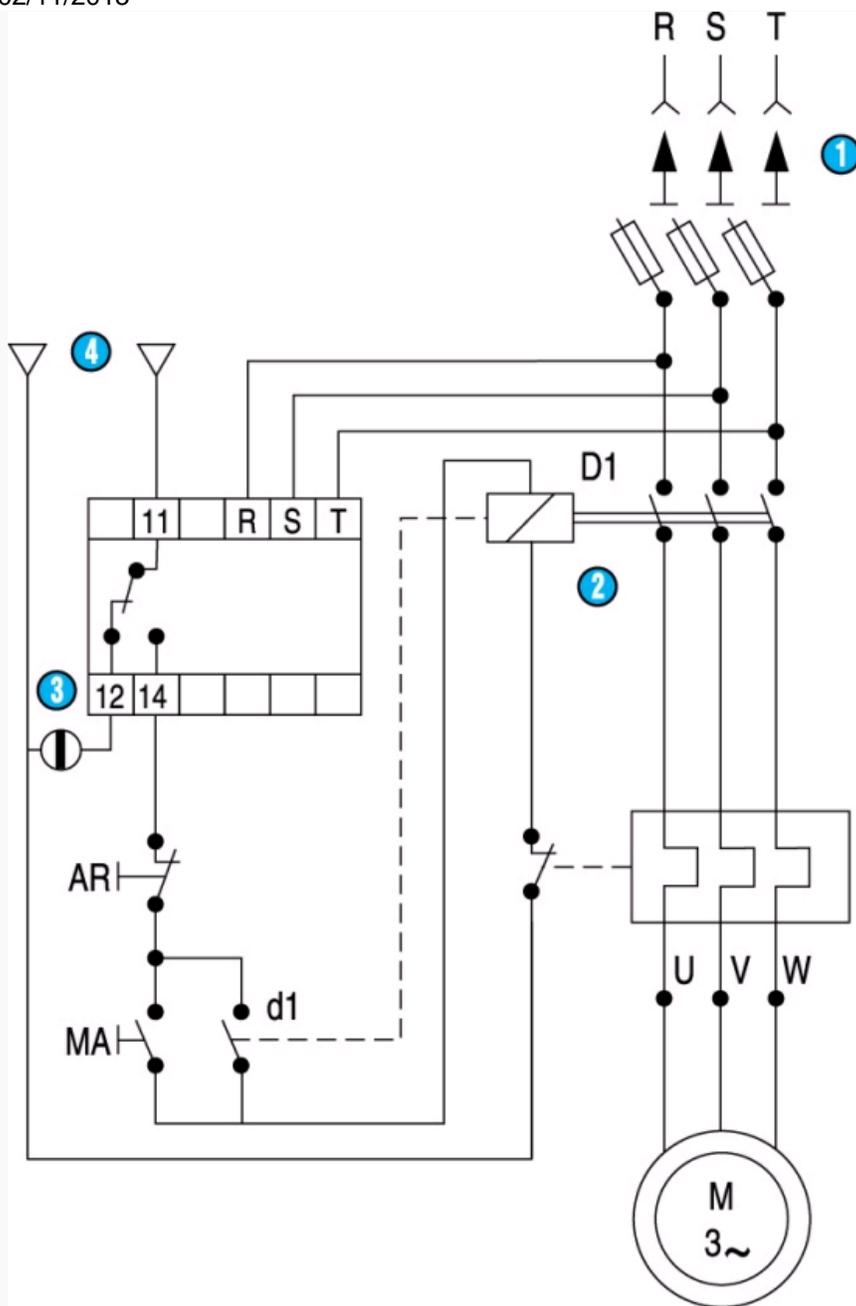


N°	Legend
①	Isolating switch
②	Contactor
③	Alarm
④	Auxiliary power supply for contactor coil and signalling

Connections

EWS : Monitoring of three-phase motor.

Manual re-engage after disappearance of the fault.



Surveillance moteur triphasé Réenclenchement manuel après disparition du défaut. defecto

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①	Isolating switch
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③	Alarm
④	Auxiliary power supply for contactor coil and signalling