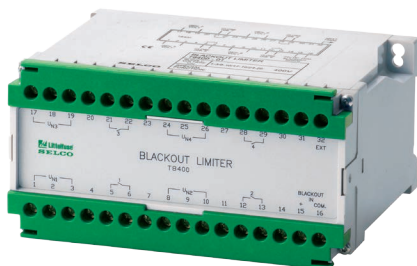
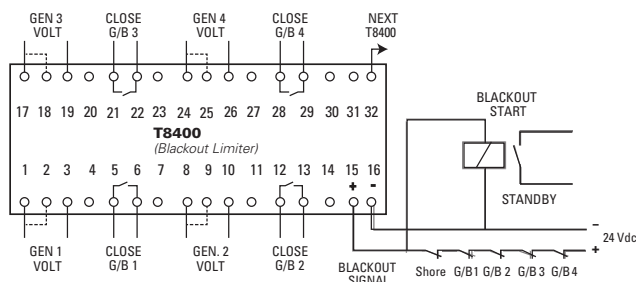


T8400 SERIES

Blackout Limiter



Simplified Circuit Diagram



Ordering Information

ORDERING NUMBER	TERMINALS		FUNCTION
	1-3 17-19	8-10 24-26	
T8400.0010	400 V		1-1.5-2-2.5 sec.
T8400.0020	400 V		3-3.5-4-4.5 sec.
T8400.0030	230 V		1-1.5-2-2.5 sec.
T8400.0040	230 V		3-3.5-4-4.5 sec.
T8400.0050	415 V		1-1.5-2-2.5 sec.
T8400.0060	415 V		3-3.5-4-4.5 sec.

Other supply voltages are available on request.

Description

The T8400 Blackout Limiter enables fast clearing of a blackout. It is possible to monitor up to 4 generators with 1 unit and maximum 8 generators with 2 units. If a blackout occurs, the first generator to have more than 90% voltage will close the generator breaker.

Function:

When a 24 Vdc signal is supplied over terminals 15 and 16, the T8400 becomes active, indicating that a blackout occurred. All generators are now checked and the first generator to have more than 90% voltage will close the contact to the generator breaker. If generator 1 is the first generator to have more than 90%, this will happen after 1 sec. If generator 2 is the first generator on voltage it will happen after 1.5 sec. If generator 3 is the first one, it will happen after 2 sec. etc. By adding a second unit with time delays 3, 3.5, 4, 4.5 sec., 8 generators can be handled. When one of the generators has been switched on, the blackout signal of 24 Vdc should be switched off.

Features & Benefits

FEATURES	BENEFITS
Monitors up to 4 generators; 8 generators by interconnecting 2 units	Economic solution. Only 1 or 2 units for monitoring installations with several generators. Occupying less space in the switch panel
Independent 24 Vdc supply with wide tolerance	Safe operation. Operates regardless of system voltage failure
Galvanic isolated inputs	Protects the unit against high AC voltage and currents from the installation, including spikes
DIN-rail or screw-mount	Easy installation

Specifications

Supply Voltage	24 Vdc 30%
Max. Generator Voltage	660 Vac
Frequency Range	35-70 Hz
Contact Rating	AC: 250 V, 2 A, 250 VA DC: 60 V, 2A, 100 W
Operating Temperature	-20°C to +70°C
EMC	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2
Burn-in	50 hours before final test
Weight	0.5 kg
Dimensions	H 70 mm (2.7"); W 150 mm (5.9"); D 115 mm (4.5")
Installation	35 mm DIN rail or 4 mm (3/16") screws

AMEYA360

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