niGLON™ Control & Automation

ENCLOSED SWITCHGEAR

AUTOMATIC TRANSFER SWITCHES 3 PHASE - MILD STEEL - MS250ATS-Y



250A Automatic Transfer Switch designed to ensure continuity of supply by transferring load between two power sources. Housed in a robust steel enclosure with LED indication for mains and standby status, generator start/stop capability, and suitability for fire safety linkage.
Electrically and mechanically interlocked.
3-position operation: Mains I - O - Standby II

Manufacturer Standards	
Switchgear & control gear requirements	BS EN 60947-3
Transfer switching equipment	BS EN 60947-6-1
Low-voltage switchgear assemblies	BS EN 61439-2
PC load break	Class
Self-cleaning silver alloy, mechanically held	Contacts
Padlockable in OFF position	Padlocking
Fixed handle	Manual Operation

Installation Standards	
Fire safety guidance	BS 8519-2020
Fire safety in the design of buildings	BS 9999-2017
Generator stop/start capability	Generator Function
24V DC auxiliary supply option	Auxiliary Power

Controller Characteristics	
Rated Thermal Current LTH @ 40°C	250A
Rated Voltage UE	400/415 VAC 50Hz
Number of Poles	4
Cable Connection	35-120 mm^2 tunnel terminal
Operating Modes	Auto, Manual, Control Panel, Remote, RS485
Transfer Modes	Auto, Auto Recovery/Auto Transfer, No Auto
Source 1 Monitoring	Undervoltage, Overvoltage,Power Loss
Source 2 Monitoring	Undervoltage, Overvoltage,Power Loss
Fire Linkage Control	Volt-free contacts for disconnect & feedback
Rated Impulse Withstand Voltage UIMP	8 kA
Rated Insulation Voltage UI	690 V
Utilisation Category	AC-33B
Conditional Short Circuit Current	50 kA
Short-Time Withstand Current ICW	10 kA
Short-Time Making Capacity ICM (peak)	30 kA
Rated Control Voltage Us	230 VAC
Contact Transfer Time	1.0 s ± 50%
Recovery Transfer Time	1.25 s + time delay ± 50%
Operating Cycles	8,000

Additional Information

This product is for use by skilled persons or instructed persons. The installation of this product must comply with current IEE regulations. The IP rating of the unit can be compromised if the correct use of glands is not followed. Terminals, including those factory fitted, must be checked for correct tightness before commissioning. All terminals should be periodically checked for correct tightness. The data herein serves only to describe the product and should not be regarded as representing guaranteed properties in the legal sense. We reserve the rights of modificationwhilst every care has been take in ensuring the accuracy of this catalogue, the Supplier accepts no liability whatsoever for any eventuality arising from errors or omissions within its catalogues, brochures or within any online presence.

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Controller Electrical & Communication	
Control Voltage	230V AC
Auxiliary Power	24V DC
Power Consumption	≤ 10 W
Communication Protocol	RS485 (B-type)
Programmable Inputs	2
Volt-Free Outputs	2
Display Type	LCD

Monitoring Parameters	
Power Loss Transfer Delay	0-180 s (5 s default)
Recovery Delay Timer	0-180 s (5 s default)
Undervoltage Range	154-198 V (187 V default)
Overvoltage Range	242-330 V (263 V default)

Enclosure Characteristics	
Standards	BS EN 62208
Dimensions	1000 x 800 x 300 mm
Bottom Gland Plate	2x 316x120 mm
Degree of Ingress	IP65
Impact Resistance	IK10
Construction	1.2 mm mild steel
Colour	RAL7035

Available Accessories	
A4DOCW	A4 Document Wallet
MSKL	Cylinder Key Lock

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