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AUTOMATIC TRANSFER SWITCH

TGQ1NP

Series overview

Automatic Transfer Switch for electrical distribution and control applications.

Select the exact rating, pole arrangement and operating configuration for the application.



Specification summary

Product-page current range	Up to 250 A
Voltage / poles	2P AC 230 V; 3P / 4P AC 400 V
Frequency	50 Hz
Selection	Drawings include additional frame variants; match the exact model.

Technical information

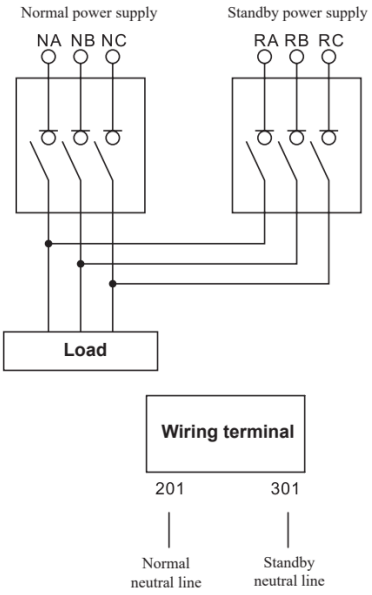
Selected dimension and connection drawings follow. Match each drawing to its stated frame and pole configuration.

TGQ1NP

DIMENSIONS & TECHNICAL REFERENCE

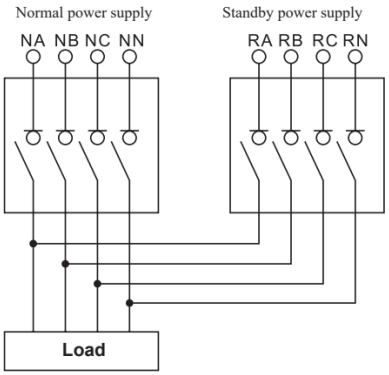
9.1 Wiring diagram of the main circuit of the product (power phase sequence must be consistent)

Wiring of 3-pole main circuit



Note: The 3-pole product can operate normally when its neutral line is connected to controller terminal 201 and terminal 301.

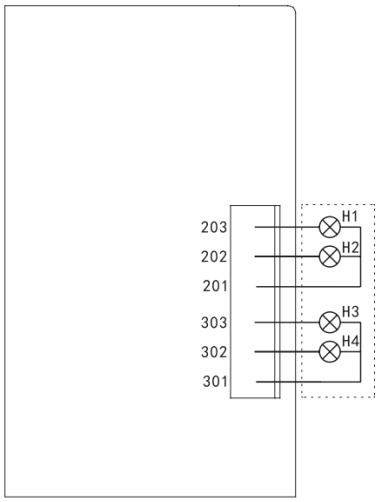
Wiring of 4-pole main circuit



Remarks: When the main circuit of the product is connected, ports of the Normal power supply and the standby power supply shall be connected to SCPD by users to protect the equipment and prevent load short circuit and burning of the product and wires.

9.2 Secondary wiring diagram of the controller

9.2.1 Secondary wiring diagram of the economic controller

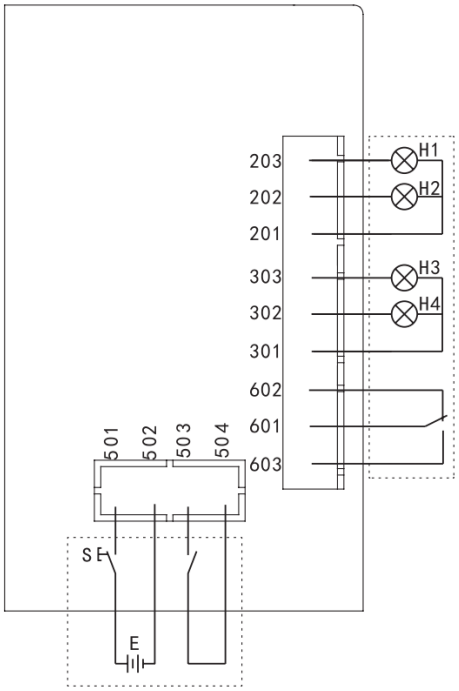


1. Normal signal AC220V output (201, 202, 203): 201 is a common terminal (null line output at 3-pole); 202 is power supply instruction; 203 is closing instruction.
2. Standby signal AC220V output (301, 302, 303): 301 is a common terminal (null line input at 3-pole); 302 is power supply instruction; 303 is closing instruction.
3. The parts in the dotted lines shall be connected by users. H1-H4 are AC signal indicator lights.

Use the stated units and configuration. Drawings are reproduced from the authorized technical source.

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1. Normal signal AC220V output (201, 202, 203): 201 is a common terminal (null line output at 3-pole); 202 is power supply instruction; 203 is closing instruction.
2. Standby signal AC220V output (301, 302, 303): 301 is a common terminal (null line input at 3-pole); 302 is power supply instruction; 303 is closing instruction.
3. Fire control linkage control (501, 502, 503, 504): 501 and 502 are DC24V fire control signal power supply output. 503 and 504 are passive feedback contact output after the implementing fire control.
4. Startup/shutdown control of power generation (601, 602 and 603): 601 is a common terminal; 602 is startup passive contact output; 603 is shutdown passive contact output.
5. The parts in the dotted lines shall be connected by users. H1-H4 are AC signal indicator lights; S is the self-locking button; E is the DC24V signal provided by the fire control center.

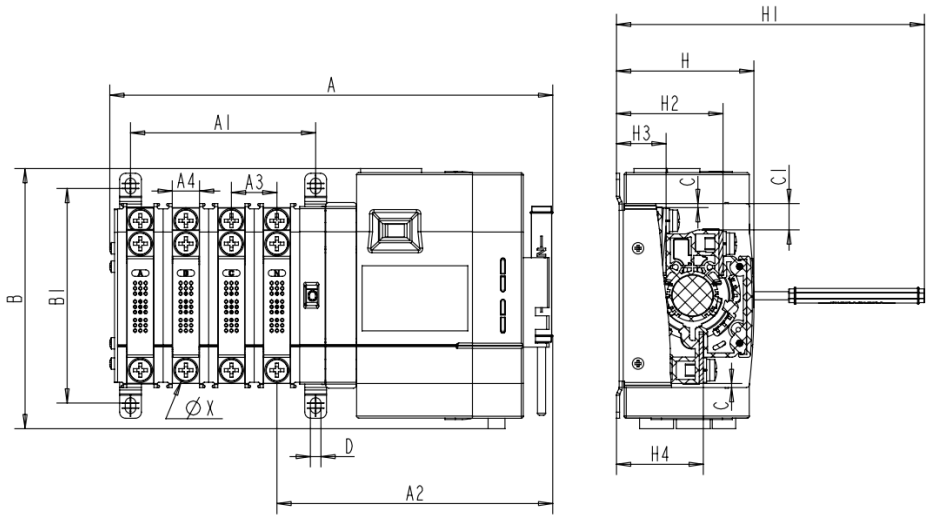
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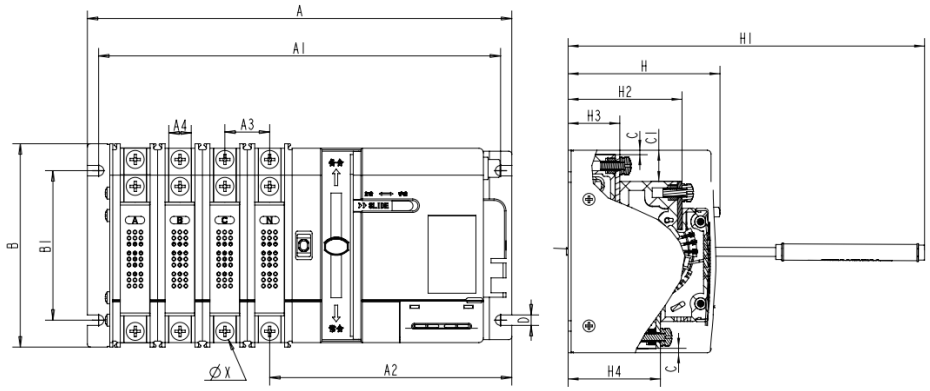
TGQ1NP

DIMENSIONS & TECHNICAL REFERENCE

10.1 TGQ1NP-63 Product Outline Drawing



10.2 TGQ1NP-125~800 Product Outline Drawing



Spec. \ Size	A			B		H	A1			B1	A2	A3
	2P	3P	4P	With a plug-in	Without a plug-in		2P	3P	4P			
TGQ1NP-63	171	193	213	138.6	127	69.7	44	66	88	106	134.3	22
TGQ1NP-125	229	257.1	289	136		102	214	244	271.6	100	162	30
TGQ1NP-250	302	347	393	170		128	283	328	374	125	207	45.5
TGQ1NP-400	/	414	467	212,5		158	/	397	450	156	251	53
TGQ1NP-630	/	527	596	255		192	/	502	570	188	325	68
TGQ1NP-800	/	527	596	255		192	/	502	570	188	325	68

Note: The operating handle is removed during the normal operation, and it is only used for emergency operation or manual operation.

Use the stated units and configuration. Drawings are reproduced from the authorized technical source.