

Communication Interfaces - Toshiba UNINTERRUPTIBLE POWER SYSTEM 1600XP Installation And Operation Manual

Single phase - 3.6/6/8/10/14/18/22 kva

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Communication Interfaces

Remote Contacts

the remote contacts interface is provided as a set of solid state switching devices. the switches are available through a db9 male connector on the rear of the UpS. the following chart shows the pin assignment for each signal.

MAXIMUM CURRENT CARRYING CAPACITY
OF THE SWITCH

Voltage

48 Vdc peak

30 Vac rms

(42 Vac peak)

Pin

Signal Function

1
Fault Signal

2
UpS stop common



3
UpS stop signal input

4
normal input power supply

5
Signal common

6
bypass operation

7
battery voltage drop

8
UpS operation

9
power failure signal

NOTE:
pin switches are shown in their inactive states. For example, if battery voltage is low, pin 7 will be connected to pin 5.

16
Current

70 mA peak
50 mA rms
(70 mA peak)

Logic

Closed when fault detected
backup stop when the level
changes from low (-3 to -15 V) to
High (+3 to +15 V)

Closed with normal supply power

Common signal return

Closed during bypass operation

Closed at voltage drop

Closed during inverter operation

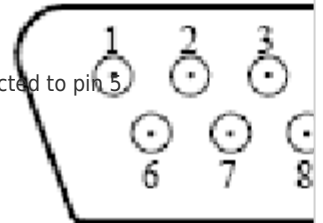
Closed at power failure

DB9 MALE CONNECTOR OUTLINE

(FACING CONNECTOR)

In the UPS

1600Xp Series installation and operation manual



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(140 pages)

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Toshiba 4300 series

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[G9400 Series Figure 4-23 Communication Connector \(Cn2, Dsub-9\) On N0031](#)

Toshiba G9400 Series

[1600XPi Series Battery Cabinet Communication \(Rs-232\) Cabling](#)

Toshiba 1600XPi Series

[G9000 Series Figure 5-13 Diagram Of Communication, Power & Control Wire Connections For 2 Units In Mms Configuration \(300-750Kva\)](#)

Toshiba G9000 Series

[G8000MM Series External Communication Connector](#)

Toshiba G8000MM Series

[G2020 Series Figure A-3 Diagram Of Communication Cable Connection \(For 2 - 4 Units In Mms\)](#)

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[1400SE Series Rs-232C Communication Interface](#)

Toshiba 1400SE Series

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