

ABB

YPQ202A YT204001-KB

TECHNICAL REFERENCE

ABB YPQ202A YT204001-KB is an I/O interface board used in a TYRAK converter-control assembly, where the YPQ202 board family connects external signals with the control software.

COMPONENT I/O Interface Board

SYSTEM TYRAK converter-control system

EVIDENCE YPQ202A / YT204001-KB; ABB TYRAK MIDI II and TYRAK XL technical descriptions

SELECTED APTER POWER REFERENCES

01 ABB 3HAC043134-003
[VIEW ABB 3HAC043134-003](#)

02 ABB SPTKM01
[VIEW ABB SPTKM01](#)

03 ABB SPBRC410
[VIEW ABB SPBRC410](#)

04 ABB SPDSI22
[VIEW ABB SPDSI22](#)

05 ABB SPASI23
[VIEW ABB SPASI23](#)

06 ABB IMASI23
[VIEW ABB IMASI23](#)

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YPQ202A YT204001-KB

Exact identity and verified parameters

Complete model	YPQ202A YT204001-KB
Manufacturer	ABB
Product family	TYRAK converter-control system
Ordering identity	YT204001-KB
Board designation	YPQ202A
Component type	I/O interface board
System context	ABB TYRAK converter-control assembly
Core control-board set	YPQ201 processor, YPR201 memory and YPQ202 I/O board
Interface role	Connection and conversion between external hardware and control software
Signal services	Digital, analog and feedback services according to the installed control program
Configuration rule	Channel allocation and board settings are control-program specific
Feedback handling	TYRAK documents show YPQ202 involvement in pulse or tacho feedback arrangements
Test support	Supported TYRAK programs provide system-test functions through the control architecture
Replacement boundary	Retain the complete YPQ202A / YT204001-KB identity and installed project record

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System architecture and signal path

1

external sensors, commands and actuator circuits

2

YPQ202A YT204001-KB I/O interface board

3

YPQ201 processor and YPR201 memory

4

the installed TYRAK control program

Engineering roles

- Interfaces external hardware with the TYRAK control software
- Works with the YPQ201 processor and YPR201 memory board
- Carries program-dependent digital, analog and feedback services
- Requires the installed TYRAK program and wiring record to be preserved

EVIDENCE BOUNDARY

Treat the exact YPQ202A and YT204001-KB markings as one article identity. Channel counts, jumper positions, terminal allocation and feedback use must be taken from the installed TYRAK program and project documentation, not from a different YPQ202 application.

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Applications and decision controls

Converter signal interface

Connects external converter-control signals to the TYRAK control electronics.

Digital and analog I/O

Supports the signal groups assigned by the installed control program and project wiring.

Feedback processing

Participates in documented pulse or tacho feedback arrangements when that program uses them.

Exact-board replacement

Restores the YPQ202A / YT204001-KB position without borrowing channel data from another TYRAK program.

Cross-check logic

IDENTITY

Exact markings must agree across the article, record and replacement.

FUNCTION

Only the role supported by mutually consistent evidence is published.

NUMERIC DATA

Conflicting or unsupported ratings remain unpublished.

FIELD ACCEPTANCE

The installed nameplate, drawings and controlled tests decide final suitability.

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Model-specific questions

1

What identifies ABB YPQ202A YT204001-KB during replacement?

Use both visible identities together: YPQ202A is the board designation and YT204001-KB is the ordering identity. Record both before removal.

2

What job does ABB YPQ202A YT204001-KB perform in a TYRAK assembly?

It forms the I/O interface between external hardware and the converter-control software, including the signal services assigned by the installed program.

3

Which companion boards operate with ABB YPQ202A YT204001-KB?

The basic TYRAK control-board set places the YPQ202 I/O board with a YPQ201 processor and YPR201 memory module.

4

Can fixed channel counts be assumed for ABB YPQ202A YT204001-KB?

No. ABB TYRAK documents allocate YPQ202 channels differently for different control programs, so the installed program and project drawings govern.

5

Why must ABB YPQ202A YT204001-KB jumper positions be recorded?

Some TYRAK applications use YPQ202 settings for feedback adjustment or other program-specific functions; an unrecorded change can alter the configured signal path.

6

What wiring evidence should be retained for ABB YPQ202A YT204001-KB?

Keep connector photographs, terminal labels, shields, jumper positions and the controlled I/O list so each external circuit returns to the same assignment.

7

How should ABB YPQ202A YT204001-KB be checked after installation?

First confirm board seating and diagnostics, then prove each assigned digital, analog and feedback path under the approved TYRAK test procedure.

8

What substitutions should be avoided for ABB YPQ202A YT204001-KB?

Do not replace it by matching only the YPQ202 family name or by copying another program's channel table; the complete article and project configuration must agree.

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Related products on Apter Power

Navigation links only. These products are not evidence for the technical values of this article.

01 ABB PM566-TP-ETH-1SAP121500R0071
[VIEW ABB PM566-TP-ETH-1SAP121500R0071](#)

03 ABB NTHS03
[VIEW ABB NTHS03](#)

05 ABB FEN-21-68679303
[VIEW ABB FEN-21-68679303](#)

07 ABB SPAM150C
[VIEW ABB SPAM150C](#)

09 ABB XZC827A102-3BHE038368R0102
[VIEW ABB XZC827A102-3BHE038368R0102](#)

11 ABB XZC825A102-3BHE036346R0102
[VIEW ABB XZC825A102-3BHE036346R0102](#)

13 ABB GDC806C4002-3BHE044249R4002
[VIEW ABB GDC806C4002-3BHE044249R4002](#)

15 ABB TB521-ETH-1SAP112100R0170
[VIEW ABB TB521-ETH-1SAP112100R0170](#)

17 ABB SB822-3BSE018172R1
[VIEW ABB SB822-3BSE018172R1](#)

02 ABB PM511V08-3BSE011180R1
[VIEW ABB PM511V08-3BSE011180R1](#)

04 ABB FPBA-01-M
[VIEW ABB FPBA-01-M](#)

06 ABB FEIP-21-3AXD50000192793
[VIEW ABB FEIP-21-3AXD50000192793](#)

08 ABB SR511-3BSE000863R1
[VIEW ABB SR511-3BSE000863R1](#)

10 ABB XZC826A102-3BHE036348R0102
[VIEW ABB XZC826A102-3BHE036348R0102](#)

12 ABB XVC772A102-3BHE032285R0102
[VIEW ABB XVC772A102-3BHE032285R0102](#)

14 ABB GCC960C103-3BHE033067R0103
[VIEW ABB GCC960C103-3BHE033067R0103](#)

16 ABB DSSS170-48970001-A
[VIEW ABB DSSS170-48970001-A](#)

18 ABB TB853-3BSE057022R1
[VIEW ABB TB853-3BSE057022R1](#)

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