LOGO! 0BA4 230RC

# Product Data Sheet

## 6ED1052-1FB00-0BA4

Relay-output logic controller

| DIGITAL INPUTS | RELAY OUTPUTS | RATED SUPPLY | AC SUPPLY RANGE |
|---|---|---|---|
| 8 | 4 | 115 to 240 V AC/DC | 85 to 265 V |

Siemens 6ED1052-1FB00-0BA4 is the LOGO! 230RC basic logic controller of the 0BA4 generation. It combines eight digital inputs, four relay outputs and a local display/keypad for small control programs, using a 115 to 240 V AC/DC nominal supply.

## 01 TECHNICAL DATA

| | |
|---|---|
| Digital inputs | 8 |
| Relay outputs | 4 |
| Rated supply | 115 to 240 V AC/DC |
| AC supply range | 85 to 265 V |
| DC supply range | 100 to 253 V |
| Mains frequency | 47 to 63 Hz |
| High-state input threshold | Above 79 V AC/DC |
| Low-state AC threshold | Below 40 V AC |
| Low-state DC threshold | Below 30 V DC |
| Input transition delay | 50 ms typical |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Unshielded input cable | 100 m maximum |
| Resistive relay current | 10 A maximum per relay |
| Inductive switching frequency | 0.5 Hz |
| RTC backup | 80 hours typical at 25 °C |
| Protection rating | IP20 |

## 03 PRODUCT FUNCTION

The controller accepts its specified AC or DC line-voltage input signals and provides individually isolated relay outputs. A real-time clock supports time-dependent logic with a typical eighty-hour backup at 25 °C. Its 230RC electrical characteristics differ from the low-voltage LOGO! 12/24RC and transistor-output versions.

## 04 SYSTEM COMPATIBILITY

Supply the controller within 85 to 265 V AC or 100 to 253 V DC and wire inputs for the 230RC voltage class. The high-state threshold exceeds 79 V, so a 24 V sensor signal does not meet the input requirement.

## 05 REFERENCE

Siemens 6ED1052-1FB00-0BA4 technical data and applicable product instructions

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