

ABB AC 800PEC

# Product Data Sheet

**3BHE003748R0002 GDC742 AE**

interface module

|                              |                         |                       |                   |
|------------------------------|-------------------------|-----------------------|-------------------|
| FUNCTION<br>interface module | FAMILY<br>ABB AC 800PEC | ORIGIN<br>Switzerland | WEIGHT<br>0.36 kg |
|------------------------------|-------------------------|-----------------------|-------------------|

ABB AC 800PEC 3BHE003748R0002 GDC742 AE is a interface module for the ABB AC 800PEC. The values below are limited to the exact documented article.

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## VERIFIED TECHNICAL DATA

|                       |                               |
|-----------------------|-------------------------------|
| Isolation             | 1500V AC                      |
| Operating Temperature | 0°C to +60°C (32°F to 140°F)  |
| Humidity              | 5–95% RH (non-condensing)     |
| Signal Channels       | 16 single-ended analog inputs |
| Voltage               | ±10V, ±5V, ±1V, 0–10V         |
| Current               | 4–20mA, 0–20mA                |
| Resolution            | 16-bit (including sign bit)   |
| Accuracy              | ±0.05% of full scale (25°C)   |
| Sampling Rate         | 10 ms/channel                 |
| Input Impedance       | >1 MΩ                         |

## ADDITIONAL PRODUCT DATA

|                        |                           |
|------------------------|---------------------------|
| Overvoltage Protection | ±30V continuous           |
| Common-Mode Rejection  | >120 dB at 50/60 Hz       |
| Exact Article Code     | 3BHE003748R0002 GDC742 AE |
| Board Designation      | GDC742 AE                 |
| Product Family         | ABB AC 800PEC             |

## OFFICIAL APPLICATIONS

- Operate the documented interface module: Use 3BHE003748R0002 GDC742 AE only in the ABB AC 800PEC equipment position identified by the installed hardware list. Match the complete ABB article code, board designation and electrical interface before work begins.
- Restore every recorded connection: Photograph connector keying, terminal references, cable routing, protective earth and adjacent assemblies for 3BHE003748R0002 GDC742 AE. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHE003748R0002 GDC742 AE, check power-up indications, controller or converter diagnostics and the affected control function. Record measured results and maintenance acceptance before returning the equipment to service.

## SYSTEM COMPATIBILITY

Match 3BHE003748R0002 GDC742 AE to the installed ABB AC 800PEC, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## OFFICIAL SOURCES

[ABB ABB AC 800PEC documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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