S800 I/O

# Product Data Sheet

## AO820 3BSE008546R1

Four channel analog output module

| FUNCTION | FAMILY | ORIGIN | WEIGHT |
|---|---|---|---|
| **Four channel analog output module** | **S800 I/O** | **Sweden** | **0.24 kg** |

ABB AO820 3BSE008546R1 is a Four channel analog output module for the S800 I/O. The values below are limited to the exact documented article.

## 01 VERIFIED TECHNICAL DATA

| | |
|---|---|
| Analog outputs | 4 |
| Channel isolation | Individually galvanically isolated |
| Output modes | Current or voltage selectable per channel |
| Current ranges | –20 to +20 mA, 0 to 20 mA, 4 to 20 mA |
| Voltage ranges | –10 to +10 V, 0 to 10 V, 2 to 10 V |
| Resolution | 12 bits including sign |
| Under and overrange | ±15 percent |
| Maximum current load | 550 Ω |
| Minimum voltage load | 5 kΩ |
| Rise time | Less than 0.7 ms |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Update cycle | 1.5 ms maximum |
| Temperature drift | 90 ppm per °C maximum |
| Rated insulation voltage | 50 V |
| Redundancy support | Not supported |
| HART support | Not supported |

## 03 OFFICIAL APPLICATIONS

- Chemical and Petrochemical Manufacturing: Industrial chemical production; Petrochemical production and processing
- Thermal, Hydroelectric and Renewable Power Generation: Thermal and hydroelectric power production; Renewable generation and energy integration
- Municipal Water and Industrial Wastewater Services: Municipal water treatment services; Industrial wastewater treatment operations

## 04 SYSTEM COMPATIBILITY

Match AO820 3BSE008546R1 to the installed S800 I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

## 05 OFFICIAL SOURCES

**ABB AO820 S800 I/O product data and user manual**

Manufacturer technical documentation summarized for the exact model

**AMIKON PRODUCT SUPPORT**

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**