

MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB DO910S 3KDE175321L9100

Product Reference

ABB S900 I/O Four-Channel Intrinsically Safe Digital Output Module

DOCUMENT SCOPE

Independent Apter Power manual limited to verified identity evidence and any directly relevant ABB sources listed in this document. No product photograph is included.

Product / lookup identity	ABB DO910S 3KDE175321L9100
Reference number	DO910S 3KDE175321L9100
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/do910s-3kde175321l9100>
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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

ABB DO910S is a four-channel S900 digital-output module for intrinsically safe valves or alarms. The module provides solenoid-driver outputs with integrated driving power, short-circuit and break detection, and electrical isolation between each channel. System context: ABB S900 I/O Four-Channel Intrinsically Safe Digital Output Module.

Published field	Manufacturer-published value or verified identity note
ABB article number	3KDE175321L9100
Type	Digital Output
Channels	4
Signal type	Solenoid driver
Application	Intrinsically safe valves or alarms
Intrinsic safety	Yes
Hazardous location	ATEX Zone 1

System function and signal path

01	System Inputs: S900 I/O backplane power and communication
02	Processing: Four isolated digital solenoid-driver output channels with short and break detection

Applications, answers, and official sources

1 Intrinsically safe valve outputs: Drives compatible intrinsically safe valve circuits in an engineered S900 I/O installation.

2 Hazardous-area alarm outputs: Provides isolated solenoid-driver output channels for compatible alarm circuits.

3 S900 remote I/O: Supports distributed I/O installations in non-hazardous areas or approved Zone 1 and Zone 2 system variants.

4 Installed-base maintenance: Supports exact DO910S / 3KDE17532IL9100 replacement planning and documented commissioning.

Frequently asked questions

What is ABB DO910S?	DO910S is a four-channel S900 digital-output module for intrinsically safe valves or alarms.
What is the ABB article number for DO910S?	The ABB article number is 3KDE17532IL9100.
How many output channels does DO910S provide?	It provides four digital-output channels.
What output signal type does DO910S use?	ABB identifies the output type as a solenoid driver.
Is DO910S intrinsically safe?	Yes. ABB lists intrinsic safety and ATEX Zone 1 hazardous-location use.
What field devices can DO910S drive?	ABB describes it as an output module for compatible intrinsically safe valves or alarms.

Official ABB sources

ABB DO910S (DO4-Ex) Hardware Selector	https://800xahardwareselector.automation.abb.com/product/do910s-do4-ex
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