



SIL DECLARATION OF CONFORMITY

Manufacturer: ABB Automation Products GmbH
Address: Schillerstraße 72 - D-32425 Minden
Product name: Positioner TZIDC – TZIDC-200 (4...20 mA) and Shutdown Modul

Functional safety according to IEC 61508 / IEC 61511

We as the manufacturer declare that the a.m. products are suitable for the use in a safety related application up to SIL 2 according to IEC 61511-1, provided that the attached safety instructions are observed. The assessment of the safety critical and dangerous random errors results, in case of an annual function test, in the following parameters:

SIL (Safety integrity level): 2 **Type: B**
HFT (Hardware failure tolerance): 0¹⁾ (one-channel application)

Product	SFF	PFDav	$\lambda_{dd} + \lambda_s$	λ_{du}
TZIDC / TZIDC-200	85%	$7,52 * 10^{-4}$	1011 FIT	172 FIT
TZIDC / TZIDC-200 with Shutdown Modul	94%	$1,76 * 10^{-4}$	718 FIT	40 FIT

1) according to chapter 11.4 of IEC 61511

For the prior-use investigation the instrument including the modifications was analysed.

03.03.2004

Date

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