

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 12 179 - 98 HH

Company EBRO Armaturen
Gebr. Bröer GmbH
Karlstraße 8
58135 Hagen, GERMANY

Product Description PNEUMATIC DOUBLE ACTING ACTUATORS

Type EB4, EB5, EB6, EB8, EB10, EB12, EB265, EB270, EB280-SYD
EB5, EB6, EB8, EB10 and EB12 - SYDDW with emergency manual override

Environmental Category None

Technical Data / TECHNICAL DATA

Range of Application Control air pressure 2,5 bar up to 10bar
Closing time 0,15 sec to 0,7 sec. according to actuator size
Swivel angle 90° +/-3°
Closing time 0,25 sec. (EB4) up <5 sec. (EB280)
Temperature range - 20°C to + 80°C
Valve interface acc. to EN ISO 5211
Torques acc. to technical data sheet EB-SYD 6.2 dated 08.2012

MATERIALS

Cylinder	AlMgSi0,5 F22	Cover	GD-AISI9Cu3
Piston	GD-AISI9Cu3	Shaft	16MnCr5/ESP65

RANGE OF APPLICATION

The pneumatic valve actuators of type EB-DW are type approved for application on remote operating of butterfly valves. For selection the technical data sheet EB-SYD 6.2 is to be observed.

Test Standard VI-7-8 Regulations for the Performance of Type Tests, Part 6 - Test Requirements for Mechanical Components and Equipment:1998

Documents - Technical data sheet EB-SYD 6.2
- Test report of tests carried out

Remarks None.

Valid until 2018-05-04

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Hamburg, 2013-10-08

Type Approval Symbol



Germanischer Lloyd

Hanspeter Raschle
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