Reliability characteristic data for:

Residual Pressure Release Valve with One-touch Fittings

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Model number: KE* series

B10 / $B10_d$ data

Based on the following endurance test results of the Residual Pressure Release Valve with One-touch Fittings KE* series, and assuming a failure mode following the Weibull distribution the following B10 and $B10_d$ data has been estimated. (90% confidence level)

	B10	$B10_d$
KE* series	10,000 cycles	20,000 cycles

NOTE:

The estimated reliability data provided is only applicable to the component in the stated operating conditions.

Use of this data for any assessment under standards or otherwise, is at the sole risk of the user.

This product is not a safety component and is not supplied to provide a safety function.

The $B10_d$ value is based on the tested B10 value using B10x2

Endurance test results

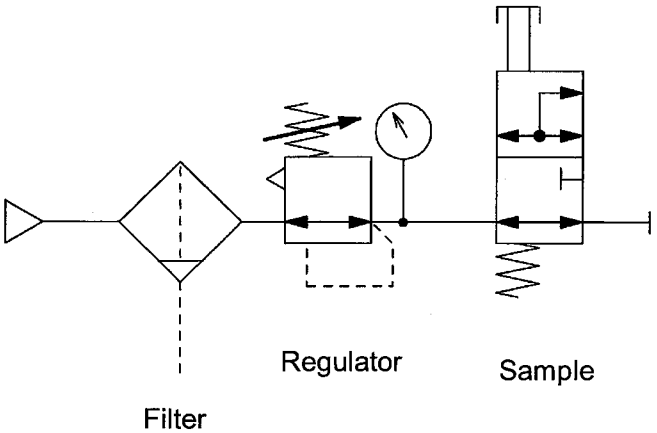
For reference

KE* series

- 8 Residual Pressure Release Valve with One-touch Fittings were tested up to 16500 cycles, and found to have zero failure.

Endurance test conditions

1) Test circuit



2) Pressure: 0.63MPa.
3) Lubrication: None
4) Air supply: Dry air
5) Operating freq.: 30 round trip / min.
6) Laboratory: Life test room
7) Ambient temp.: Normal temp. (13 to 33°C)
8) Load: None

Result of design assessment and validation to EN ISO 13849-1:2008 & EN ISO 13849-2:2008

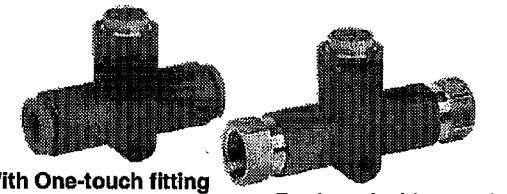
This component conforms to the basic safety principles ☐ yes

This component conforms to the basic safety principles and well tried safety principles ☑ yes

IMM No. KE*-TFQ41 (Refer to the following for applicable products)

The component is not a safety component as defined by Article2(c) of the Machinery Directive 2006/42/EC

	With a push button guard	KEB06	KEB08	KEB10	KEB12
Model	Rc thread with a push button guard	–	KEC-02	–	KEC-03



With One-touch fitting with a push button guard

Rc thread with a push button guard