Reliability characteristic data for:

Solid state auto switch

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Model number: D-M9 series

B10 data

Based on the following endurance test results of the Solid state auto switch D-M9 series, and assuming a failure mode following the Weibull distribution the following B10 data has been estimated. (90% confidence level)

	MTTF
D-M9 series	1,154 years

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.

Stated Operating Conditions

Ambient temperature: 25°C

Supply voltage: 24.0 V DC

Duty cycle: Continuous (100%)

All other conditions within specifications as defined in the Installation and Operation Manual.

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. D-*S-TFQ39 (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

Model Indication Method

D-M9 □ □ □ □

Output type

Symbol	Specification
N	3-wire, NPN
P	3-wire, PNP
B	2-wire

Colour Indication

Symbol	Specification
NIL	Standard (1-colour)
W	2-colour

Electric entry

Symbol	Specification
NIL	In line
V	Perpendicular

Lead wire length

Symbol	Specification
NIL	500 mm (Half strip)
M	1000 mm (Half strip)
L	3000 mm (Half strip)
Z	5000 mm (Half strip)
SAPC	500 mm (M8 3 pin pre-wired)
SBPC	500 mm (M8 4 pin pre-wired)
SDPC	500 mm (M12 4 pin pre-wired)
MAPC	1000 mm (M8 3 pin pre-wired)
MBPC	1000 mm (M8 4 pin pre-wired)
MDPC	1000 mm (M12 4 pin pre-wired)