

Certificate

No.: Z10 03 09 20160 008



Honeywell Safety Management Systems
Rietveldeweg 32

NL-5222 AR 's-Hertogenbosch

with the production facility(ies)
20160

is authorized to label the following product with the
"TÜV Mark"
in accordance with the attachment to this certificate. See also notes overleaf.

Product: Safety related programmable electronic system

Model: System family Fail-Safe-Controller FSC
DMR, QMR, 1oo1D, 1oo2D

Parameters: Nominal supply voltage: 24 VDC

CP configuration	I/O configuration	CPU type	Architecture	Voting
Single	Single	10020/1/. (QPM)	DMR	1oo2
		10002/1/2 and 10012/1/2	1oo1D	1oo1D
Redundant	Single, Redundant, Single and Redundant	10020/1/. (QPM)	QMR	2oo4D
		10002/1/2 and 10012/1/2	1oo2D	1oo2D

The report no. SH99495C is a mandatory part to this certificate. The product complies with the above listed safety requirements only if the specifications documented in the valid version of this report are met.

hints: wording of TÜV Mark segment "Safety in Electronics"

The compliance of the above-mentioned product with the essential requirements of the following directive(s) and/or other relevant safety requirements was tested on a voluntary basis:

- 98/37/EC Machinery Directive
- DIN V 19250:1994 (AK 1-6)
- DIN V VDE 0801/A1:1994
- DIN VDE 0116:1989 chapter 8.7 (as applicable)
- DIN EN 54-2:1997
- IEC 61508:2000 part 1-4 (SIL 1-3)
- EN 954-1:1996 (Cat. B, 1-4)
- EN 50178:1997
- EN 61131-2:1994 (see report to the certificate)
- EN 50081-2:1993
- EN 55011:1991
- ANSI/S84.01 (as applicable)

Report No.: SH99495C; E-(Z10 03 05 20160 007)

Released with the above certificate number by the
Certification Body of TÜV PRODUCT SERVICE GMBH.

Department:
Date:

TA-IQSE / Bosch
2003-09-09

