

Manufacturer's Declaration
according to IEC 61508-2:2010 2nd edition and DIN EN ISO 13849-1

Herstellererklärung
nach IEC61508:2010 2nd edition und DIN EN ISO 13849-1

FEMA Druckschalter und Thermostate / for FEMA Pressure Switch and thermostat type range:

Sicherheitstechnische Kennzahlen gemäß / Safety parameters according
(IEC61508:2010 2nd edition und / and ISO13849-1)

Typ / Type	DC	PFD (Tproof= 1 year)	PFD (Tproof= 2 years)	PFD (Tproof= 5 years)	MTTFd (Years)	SIL-Level	Performance Level (calc.)/ PFH
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Druckschalter / Pressure Switch

DCM/DNM/DNS(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
DCM/DNM/DNS(max)	0%	6,65E-04	9,81E-04	1,93E-03	1426	SIL2	8,01E-08 1/h
DDCM252-1602(min/max)	0%	7,34E-04	1,08E-03	2,13E-03	1282	SIL2	8,90E-08 1/h
DDCM014-16(min/max)	0%	6,53E-04	9,62E-04	1,89E-03	1445	SIL2	7,90E-08 1/h
VCM/VNM/VNS(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
VCM/VNM/VNS(max)	0%	6,65E-04	9,81E-04	1,93E-03	1426	SIL2	8,01E-08 1/h
DWR/DGM(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
DWR/DGM(max)	0%	6,40E-04	9,44E-04	1,85E-03	1482	SIL2	7,70E-08 1/h
DWAM/SDBAM	0%	5,70E-04	8,39E-04	1,65E-03	1654	SIL2	6,90E-08 1/h
DBS-DWAM, FD	0%	2,90E-04	4,29E-04	8,42E-04	3261	SIL2	3,50E-08 1/h
DBS-DWR(max)	0%	3,62E-04	5,33E-04	1,05E-03	2594	SIL2	4,40E-08 1/h
DBS-DWR(min)	0%	2,12E-04	3,13E-04	6,14E-04	4390	SIL2	2,60E-08 1/h

Ex-Druckschalter / Ex- Pressure Switch

EX-DNM/DNS(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
EX-DNM/DNS(max)	0%	6,65E-04	9,81E-04	1,93E-03	1426	SIL2	8,01E-08 1/h
EX-DDCM252-1602(min/max)	0%	7,34E-04	1,08E-03	2,13E-03	1282	SIL2	8,90E-08 1/h
EX-DDCM014-16(min/max)	0%	6,53E-04	9,62E-04	1,89E-03	1445	SIL2	7,90E-08 1/h
EX-VNM/VCM/VNS(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
EX-VNM/VCM/VNS(max)	0%	6,65E-04	9,81E-04	1,93E-03	1426	SIL2	8,01E-08 1/h
EX-DWR/DGM(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
EX-DWR/DGM(max)	0%	6,40E-04	9,44E-04	1,85E-03	1482	SIL2	7,70E-08 1/h

Thermostate / Thermostats

TAM/TRM/TX/TXB(min)	0%	4,91E-04	7,24E-04	1,42E-03	1934	SIL2	5,90E-08 1/h
TAM/TRM/TX/TXB(max)	0%	6,99E-04	1,03E-03	2,02E-03	1358	SIL2	8,41E-08 1/h

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***Zusätzliche Gehäuseoptionen / Additional housing options: -xxx (not for Ex-models) "ZF":**
-165, -195, -203, -205, -211, -213, -217, -301, -305, -307, -313, -351, -406, -409, -414, -513, -576, -
577, -601, -603, -/93, and combinations of them.

***Zusatzfunktionen / Additional service functions "ZF" indicated by extension of OS-No. with**
"-S": ZF1970, ZF1971, ZF1972, ZF1973, ZF1978, ZF1979, WZ2.2, AZ3.1, AZ3.1-V

**nicht für alle Varianten verfügbar / not for every variant available*

PFH und PL sind identisch, aufgrund der nicht vorhandenen "gefährlichen, entdeckten" Fehlern.
PFH and PL are identical, because there are no dangerous detected failures.

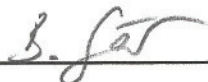
Der Nachweis erfolgte durch FMEDA, durchgeführt von der Fa. EXIDA
Prüfbericht: Honeywell 11/02-014 R004
FMEDA – Assessment by EXIDA, Report No: Honeywell 11/02-014 R004

Die sicherheitstechnischen Daten gelten nur bei bestimmungsgemäßem Einsatz und unter den
Bedingungen, die in den technischen Datenblättern genannt sind.

*Safety relevant data are only valid for intended use under condition for technical data stated in
FEMA datasheets.*

Unterschrift Qualität / Signature Quality

Schönaich, 2014-11-20



Bernhard Gärtner
Leiter Qualitätssicherung
(Manager Quality Assurance)