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Data sheet 6ES7138-7BB00-0AB0



Figure similar

SIMATIC, watchdog module for ET200iSP, Ex ib IIC T4 Gb, Ex ib I Mb

General information	
Product type designation	Watchdog module
HW functional status	4
Firmware version	V1.0.2
Installation type/mounting	
Rack mounting	No
Front mounting	Yes
Rail mounting	Yes
Wall mounting/direct mounting	Yes
Supply voltage	
Type of supply voltage	DC
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Input current	
from load voltage (power bus), max.	2 mA * number of connected digital output modules
Power loss	
Power loss, typ.	50 mW
Hardware configuration	
Fieldbus connection via separate transceiver	Yes
Digital inputs	
Number of digital inputs	0
Interfaces	
Number of PROFINET interfaces	0
Number of RS 485 interfaces	0
Protocols	
Supports protocol for PROFINET IO	No
PROFIsafe	No
PROFIBUS	No
Interrupts/diagnostics/status information	
Diagnoses	
● Diagnostic information readable	Yes
Diagnostics indication LED	
● Group error SF (red)	Yes
● Status indicator digital input (green)	Yes
Ex(i) characteristics	
Module for Ex(i) protection	Yes; for more Co/Lo combinations, see certificate IECEx KEM 06.0026
maximum values for connecting terminals for gas group IIC	

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● Uo (no-load voltage), max.	12.7 V
● Io (short-circuit current), max.	329 mA
● Po (power output), max.	0.91 W
● Co (permissible external capacity), max.	1 µF
● Lo (permissible external inductivity), max.	0.3 mH
Potential separation	
between the channels and backplane bus	Yes
between channels and powerbus	Yes
Permissible potential difference	
between different circuits	60 V DC/30 V AC
Degree and class of protection	
IP degree of protection	IP30
Standards, approvals, certificates	
CE mark	CE 0344
UKCA mark	DEKRA 21UKEX0028 Importer UK: Siemens plc Manchester M20 2UR
cULus	LISTED E334384
FM approval	CLASSIFIED 3025852
Suitable for safety functions	No
INMETRO certificate	UL-BR 12.0075
reference designation according to IEC 81346-2 (2009)	K
Use in hazardous areas	
● ATEX marking	II 2 G Ex ib IIC T4 Gb I M2 Ex ib I Mb
● ATEX certificate	KEMA 06 ATEX 0086
● IECEx	IECEx KEM 06.0026
● CCC Ex	2020322316002993
● EAC Ex	1Ex ib IIC T4 Gb PB Ex ib I Mb
● FM marking	Class I, Zone 1 AEx ib IIC T4 Ex ib IIC T4 NI, Class I, Division 2, GP. A,B,C,D T4 DIP, Class II, III, GP. E,F,G
● Explosion protection category for gas	ATEX gas explosion protection, Zone 1
● Explosion protection category for dust	No
● associated equipment (Ex ia)	No
● associated equipment (Ex ib)	Yes
Marine approval	
● Germanischer Lloyd (GL)	Yes
● American Bureau of Shipping (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	Yes
Connection method	
Design of electrical connection	Screw/spring-type terminal
Dimensions	
Width	30 mm
Height	129 mm
Depth	136.5 mm
Classifications	

	Version	Classification
eClass	16	27-24-26-04
eClass	14	27-24-26-04
eClass	12	27-24-26-04
eClass	9.1	27-24-26-04
eClass	9	27-24-26-04
eClass	8	27-24-26-04
eClass	7.1	27-24-26-04
eClass	6	27-24-26-04
ETIM	10	EC001599
ETIM	9	EC001599
ETIM	8	EC001599
ETIM	7	EC001599

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IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous

China RoHS

General Product Approval | For use in hazardous locations

Manufacturer Declaration

FM

Miscellaneous

For use in hazardous locations | Maritime application

CCC-Ex

Miscellaneous

Maritime application

NK / Nippon Kaiji Kyokai

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