



Figure similar

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

General information	
Product brand name	SIMATIC
Product family	ET 200iSP
Product category	Watchdog module
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	
<ul style="list-style-type: none"> Diagnostic information readable 	Yes
Diagnostics indication LED	
<ul style="list-style-type: none"> Group error SF (red) 	Yes
<ul style="list-style-type: none"> 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			
<ul style="list-style-type: none"> • U_o (no-load voltage), max. • I_o (short-circuit current), max. • P_o (power output), max. • C_o (permissible external capacity), max. • L_o (permissible external inductivity), max. 	12.7 V 329 mA 0.91 W 1 µF 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			
<ul style="list-style-type: none"> • ATEX marking • ATEX certificate • IECEx • CCC Ex • EAC Ex • FM marking 	II 2 G Ex ib IIC T4 Gb I M2 Ex ib I Mb KEMA 06 ATEX 0086 IECEx KEM 06.0026 2020322316002993 1Ex ib IIC T4 Gb PB Ex ib I Mb 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		
<ul style="list-style-type: none"> • Explosion protection category for gas • Explosion protection category for dust • associated equipment (Ex ia) • associated equipment (Ex ib) 	ATEX gas explosion protection, Zone 1 No No Yes		
Marine approval			
<ul style="list-style-type: none"> • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) 	Yes Yes Yes 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	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
IDEA	4	3566
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval



[Miscellaneous](#)

[China RoHS](#)



For use in hazardous locations



[FM](#)



[Miscellaneous](#)



For use in hazardous locations

[CCC-Ex](#)



[Miscellaneous](#)



Maritime application

Maritime application



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