## **SIEMENS**

## **Data sheet**

6ES7288-0CD10-0AA0

SIMATIC PM207/1AC/24VDC/3A

SIMATIC S7-200 smart Regulated power supply input: 100-240 V AC output: 24 V/3 A DC

input		
type of the power supply network	1-phase AC	
supply voltage at AC		
minimum rated value	100 V	
maximum rated value	240 V	
• initial value	85 V	
• full-scale value	264 V	
input voltage at DC	88 370 V	
wide range input	Yes	
buffering time for rated value of the output current in the event of power failure minimum	20 ms	
operating condition of the mains buffering	at Vin = 170 V	
line frequency	50/60 Hz	
line frequency	47 63 Hz	
input current		
at rated input voltage 120 V	1.65 A	
• at rated input voltage 230 V	0.75 A	
current limitation of inrush current at 25 °C maximum	30 A	
I2t value maximum	1.5 A <sup>2</sup> ·s	
fuse protection type	internal	
fuse protection type in the feeder	Recommended miniature circuit breaker: 10 A characteristic C	
output		
voltage curve at output	Controlled, isolated DC voltage	
output voltage at DC rated value	24 V	
output voltage adjustable	Yes; via potentiometer	
adjustable output voltage	22.8 26.4 V	
relative control precision of the output voltage		
<ul> <li>on slow fluctuation of input voltage</li> </ul>	0.1 %	
<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.5 %	
voltage peak		
• maximum	50 mV	
• typical	25 mV	
display version for normal operation	Green LED for 24 V OK	
behavior of the output voltage when switching on	Overshoot of Vout < 1 %	
response delay maximum	0.5 s	
voltage increase time of the output voltage		
• typical	50 ms	
output current		
• rated value	3 A	
• rated range	0 3 A; +55 +70 °C: Derating 3.5%/K	
supplied active power typical	72 W	
bridging of equipment	Yes	
number of parallel-switched equipment resources for increasing the power	2	
efficiency		
efficiency in percent	89 %	
power loss [W]		
<ul> <li>at rated output voltage for rated value of the output current typical</li> </ul>	9 W	
closed-loop control		

testive control precision of the output voltage with rapid Bucturation of this put voltage by a final voltage of the output voltage at load step of resistive control procision of the output voltage at load step of resistive toant 15900 11 years and step of the output voltage at load step of the output voltage at load step of the output voltage at load step of the 10 to 95% typical 1 ms    * load step 60 to 10% typical 2 ms    * load step 60 to 10% typical 3 ms    * load step 60 to 10% typical 4 ms    * load step 60 to 10% typical 4 ms    * load step 60 to 10% typical 5 ms    * load step 60 to 10% typical 6 ms    * load step 60 to 10% typical 6 ms    * load step 60 to 10% typical 7 ms    * load step 60 to 10% typical 7 ms    * load step 60 to 10% typical 8 ms    * load step 60 to 10% typical 9 ms    * load step 60 to 10% typical 9 ms    * load step 60 to 10% typical 9 ms    * load step 60 to 10% typical 10 ms    * load step 60 to 10 ms    * load step 60 to 10% typical 10 ms    * load step 60 to 10 ms    * load step 60 to 10% typical 10 ms    * load step 60 to 10 ms    * load step 60 to 10 ms    * load step 60 to 10 ms    * load step			
resilative load 1090rt 0 % typical esting time		0.2 %	
lead step 50 to 195 typical     design of the overvollage putection     constant current control of yes     design of short-circuit protection     sypical     lead step 50 through short circuit protection     sypical     lead step 195 through short circuit protection     sypical     sypical     step 195 through step 195 throug		3 %	
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design of the overvidinge protection yroperly of the output short circuit proof design of short-circuit protection  - **Optical** - **Optical*	<ul><li>load step 10 to 90% typical</li></ul>	1 ms	
design of the overvictage protection property of the output short-circuit proof design of short-circuit protection Constant current characteristic response value current limitation * hybrical 4 A  enduring short circuit current RMS value * hybrical * yas  alvanic isolation between input and output galvanic isolation galvanic isolation between input and output galvanic isolation isolation galvanic isolation between input and output galvanic isolation isolation galvanic isolation isolation isolation galvanic isolation isolation isolation galvanic isolation galvani	<ul> <li>load step 90 to 10% typical</li> </ul>	1 ms	
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procept of the output short-circuit profedion design of short-circuit profection spores value current limitation • (yo)cal • (yo)cal • (A) • (A) • (yo)cal • (A) •	design of the overvoltage protection	< 28.8 V	
design of short-circuit protection (response value current limitation 3, 6, 4.4 A 4, A 4		Yes	
response value current limitation	design of short-circuit protection	Constant current characteristic	
enduring short circuit current RMS value  • typical  •	·	3.6 4.4 A	
enduring short circuit current RMS value  • typical  • typical  • typical  galvanic isolation between input and output  yes galvanic isolation between input and output  operating resource protection class  leakage current  • maximum  protection class IP  EMC  standard  • for emitted interference  • for mains harmonics limitation  • for interference immunity  standards, apportation  • for interference immunity  • EN 850022 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • EN 850024 Class B  • for interference immunity  • For i	•		
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galvanic isolation between input and output galvanic isolation Safety extra low output voltage Vout according to EN 60950-1 operating resource protection class  class I  class I  cavage current - maximum - maximum  protection class IP  ENC  Standard  for emitted interference - for mains harmonics limitation - for interference immunity - EN 61000-3-2 - for interference immunity - EN 61000-5-2  standards, specifications, approvals - CE marking - Ves; Cultus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 - UL approval - UKCA marking - Ves; Cultus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 - UKCA marking - No - Regulatory Compliance Mark (RCM) - CCC approval - NEC Class 2 - No - No - Regulatory Compliance Mark (RCM) - SIS - SIS - SIS - CB-certification - SIS - SIS - CB-certification - SIS - CB-certificate - Yes - CMTER at 40 "C - 500 000 h - Marties at 50 "C - CSA C22.2 No. 107.1), input voltage: 220 V - AC - ACC -	• •		
galvanic Isolation Safety extra low output voltage Vout according to EN 60950-1 operating resource protection class Class I elakage current • maximum 3.5 mA protection class IP  EMC  Standard • for emitted interference • for mains harmonics limitation EN 50022 Class B • for mains harmonics limitation EN 61000-3-2 • for interference immunity  standards, specifications, approvals  certificate of suitability • CE marking Yes • CLus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 • CSA approval Yes; CULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 • CSA approval Yes • LEC Class 2 • No • NEC Class 2 • No • NEC Class 2 • No  Step of certification • BIS • CS-certificate • CS-certificate • So 0000 h  MTBF at 25 °C  Standards, specifications, approvals hazardous environments  Certificate of suitability • (ECEX • ATEX • No • CLass 1, Division 2 • CR of seproval • CR of seproval • CR of seproval • CR of seproval • No • CR of seproval • CR of seproval • No • CR of seproval • CR of seproval • RE ATEX • No • CR of seproval • No • CR of seproval • RE ATEX • No • CR of seproval • No • CR of seproval • No • CR of seproval • CR of sep		Ves	
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leakage current			
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protection class IP  EMC  standard  • for emitted interference • for mains harmonics limitation • for interference immunity EN 61000-3-2  standards, specifications, approvals  certificate of suitability • CE marking • UL approval • CSA approval • UKCA marking • LAC approval • EAC approval • EAC approval • EAC approval • EAC approval • Regulatory Compliance Mark (RCM) • No • CCC approval • NEC Class 2 • No  Nype of certification • BIS • CB-certificate  * MTBF at 40 "C  * S00 000 h  * according to MilL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  * ATEX • ULhazioc approval • CSA upproval • CSA upproval • Registration  * Specifications, approvals hazardous environments  certificate of suitability • IECEx • No • ATEX • ULhazioc approval • CSAus, Class 1, Division 2 • FM registration • ATEX • ULhazioc approval marine classification * Shipbuilding approval marine classification * American Bureau of Shipping Europe Ltd. (ABS) • Fench marine dissification sociation • American Bureau of Shipping Europe Ltd. (ABS) • Fench marine dissification sociation • American Bureau of Shipping Europe Ltd. (ABS) • Fench marine classification sociation • American Bureau of Shipping (LRS)  * Ambient conditions * ambient temperature • during operation	-	2.5 mA	
Standard  • for emitted interference • for mains harmonics limitation • for interference immunity  standards, specifications, approvals  CET marking • CE marking			
standard  • for emitted interference • for mains harmonics limitation • for interference immunity • for interference immunity • for interference immunity  standards, specifications, approvals  certificate of suitability • CE marking • CE Mapproval • CE Mapproval • CE Mapproval • CE Mapproval • CE CE Mapproval • CE CE Mapproval • CE CE Mapproval • CE CE CE Marking • CE		IP2U	
For emitted interference     for mains harmonics limitation     for interference immunity			
for mains harmonics limitation			
* for interference immunity      * standards, specifications, approvals  certificate of suitability      * CE marking      * UL approval      * UL approval      * UL approval      * UKCA marking      * UKCA marking      * EAC approval      * EAC approval      * Regulatory Compliance Mark (RCM)      * Regulatory Compliance Mark (RCM)      * No      * CCC approval      * No      * No C Class 2      No      * No C Class 2      * No      * Type of certification      * BIS      * CB-certificate      * BIS      * CB-certificate      * Yes      * MTBF at 40 °C      * MTBF at 55 °C      * According to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V AC      * ACEX      * ATEX      * No      * LICEX      * ATEX      * UL hazioc approval      * CCSAus, Class 1, Division 2      * FM registration      * America Bureau of Shipping Europe Ltd. (ABS)      * French marine classification association      * American Bureau of Shipping Europe Ltd. (ABS)      * French marine classification society (BV)      * Del Norske Veritas (DNV)      * Lloyds Register of Shipping (LRS)      * Ambient conditions  ambient conditions  ambient temperature      * during operation      * 25 +70; With natural convection			
certificate of suitability  • CE marking  • UL approval  • CSA approval  • CSA approval  • EAC approval  • EAC approval  • EAC approval  • EAC approval  • No  • Regulatory Compliance Mark (RCM)  • No  • CCC approval  • No  • NeC Class 2  type of certificate  • BIS  • CB-certificate  • BIS  • CB-certificate  • BIS  • CB-certificate  • CB-certificate  • BIS  • CB-certificate  • Soo 000 h  MTBF at 25 °C  standards, specifications, approvals hazardous environments  certificate of suitability  • IECEX  • ATEX  • ULhazloc approval  • No  • LocSaus, Class 1, Division 2 • No  • FM registration  • American Bureau of Shipping Europe Ltd. (ABS) • Ferench marine classification society (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS)  maiblent conditions  maiblent conditions  maiblent conditions  maiblent temperature • during operation  • 25 +70; With natural convection		EN 61000-3-2	
certificate of suitability  • CE marking  • UL approval  • USA approval  • CSA approval  • UKCA marking  • DUKCA marking  • Requisitory Compliance Mark (RCM)  • CCC approval  • No  • CCC approval  • No  • CCC approval  • No  • NEC Class 2  • No  * No  • CB-certification  • BIS  • CB-certificate  * Yes  * MTBF at 40 °C  * Sundards, specifications, approvals hazardous environments  * certificate of suitability  • IECEx  • ATEX  • ULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259  No  No  * CC approval  • No  * OB-certification  • BIS  • CB-certificate  * Yes  * MTBF at 40 °C  * Sundards, specifications, approvals hazardous environments  * certificate of suitability  • IECEx  • ATEX  • No  • ATEX  • ULhazloc approval  • CSAus, Class 1, Division 2  • FM registration  * No  * Atendards, specifications, approvals marine classification  * American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification sosociation  • American Bureau of Shipping Europe Ltd. (ABS)  • Fench marine classification society (BV)  • Det Norske Veritas (DNV)  • Loyds Register of Shipping (LRS)  * No  * ambient conditions  * ambient conditions  * ambient temperature  • during operation  * 25 +70; With natural convection	·	EN 61000-6-2	
CE marking UL approval UL approval CSA approval CSA approval CSA approval CCS approval No EAC approval Regulatory Compliance Mark (RCM) No CCC approval No CCC approval No CCC approval No CCC approval No No CCC approval No No CCC approval No No SIBS Yes; R-41184349 Seb-certification BIS Seb-certificate Yes MTBF at 40 °C S00 000 h  MTBF at 25 °C Standards, specifications, approvals hazardous onvironments Certificate of suitability IECEX No ULhazloc approval No CCSAus, Class 1, Division 2 FM registration No Standards, specifications, approvals marine classification Shipbuilding approval No Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS)  ambient conditions ambient temperature during operation -25 +70; With natural convection	standards, specifications, approvals		
• UL approval  • CSA approval  • CSA approval  • CSA approval  • LSA approval  • Regulatory Compliance Mark (RCM)  • CCC approval  • No  • CCC approval  • No  • LSC Class 2  • No  * No  • LSB   • CB-certification  • LSB   • CB-certificate  * Yes  * MTBF at 40 °C  * MTBF at 40 °C  * ACC  * Standards, specifications, approvals hazardous environments  * Certificate of suitability  • LECEX  • ATEX  • ULhazloc approval  • CSAus, Class 1, Division 2  • MR registration  * Shipbilding approval  * No  * Standards, specifications, approvals marine classification  * Shipbilding approval  * No  * American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Loyds Register of Shipping (LRS)  * Ambient conditions  * ambient temperature  • during operation  * Ves; CLLus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259  * Ves; CLLus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259  * Ves; CLLus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259  * No  * No  * Tench marine classification  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Verias (DNV)  • Tench marine classification society (BV)  • Tench	certificate of suitability		
CSA approval  UKCA marking  EAC approval  EAC approval  Regulatory Compliance Mark (RCM)  No  CCC approval  No  No  No  No  No  No  No  CCC approval  No  No  No  No  No  No  No  No  No  N	CE marking	Yes	
UKCA marking  EAC approval  Regulatory Compliance Mark (RCM)  Regulatory Compliance Mark (RCM)  CCC approval  No  CCC approval  No  No  CCC approval  No  No  Regulatory Compliance Mark (RCM)  No  Pes  No  Ves  No  Ves  Tyes (R-41184349  CB-certificate  Yes  MTBF at 40 °C  MTBF at 25 °C  Soo 000 h  MTBF at 25 °C  Soo 000 h  MTBF at 25 °C  Standards, specifications, approvals hazardous environments  Certificate of suitability  IECEX  No  ATEX  No  ULhazloc approval  CCSAus, Class 1, Division 2  FM registration  No  Standards, specifications, approvals marine classification  shipbuliding approval  Marine classifications, approvals marine classification  shipbuliding approval  No  Marine classifications, approvals marine classification  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Lloyds Register of Shipping (LRS)  Mo  marbient conditions  ambient temperature  of during operation  -25 +70; With natural convection	<ul> <li>UL approval</li> </ul>	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	
EAC approval Regulatory Compliance Mark (RCM) Regulatory Compliance Mark (RCM) CCC approval No Yes No Yes No type of certification BIS CB-certificate Yes TMTBF at 40 °C S500 000 h AC WIBF at 25 °C AC Standards, specifications, approvals hazardous environments certificate of suitability IECEX No ATEX No ULhazloc approval CSUS, Class 1, Division 2 FM registration Shipbilding approval Marine classifications, approvals marine classification Shipbilding approval Marine classification society (BV) Prench marine classification society (BV) Lloyds Register of Shipping Lurope Ltd. (ABS) No Lloyds Register of Shipping (LRS) No Ambient conditions  ambient temperature during operation  -25 +70; With natural convection	<ul> <li>CSA approval</li> </ul>	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	
Regulatory Compliance Mark (RCM) CCC approval No	<ul> <li>UKCA marking</li> </ul>	No	
CCC approval  NEC Class 2  No  type of certification  BIS  CB-certificate  Yes; R-41184349  CB-certificate  Yes  MTBF at 40 °C  MTBF at 25 °C  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V AC  standards, specifications, approvals hazardous environments  certificate of suitability  EICCE  No  ATEX  No  ULhazloc approval  CCSAus, Class 1, Division 2  FM registration  No  standards, specifications, approvals marine classification  shipbuliding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature  o during operation  Ves; R-41184349  Yes; R-41184349  Yes  Mobient Conditions	<ul> <li>EAC approval</li> </ul>	No	
NEC Class 2      type of certification         BIS	<ul> <li>Regulatory Compliance Mark (RCM)</li> </ul>	No	
type of certification  BIS  CB-certificate  Yes  MTBF at 40 °C  MTBF at 25 °C  MTBF at 25 °C  Standards, specifications, approvals hazardous environments  Certificate of suitability  IECEX  ATEX  ULhazloc approval  CSAus, Class 1, Division 2  FM registration  Shipbuilding approval  Mono  Marine classifications, approvals marine classification  shipbuilding approval  No  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification sosociation  American Bureau of Shipping Europe Ltd. (ABS)  Det Norske Veritas (DNV)  Det Norske Veritas (DNV)  Lloyds Register of Shipping (LRS)  ambient conditions  ambient conditions  ambient temperature  during operation  Yes; R-41184349  Yes  About Caccording to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V AC  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V AC  AC  Standards, specifications, approvals hazardous environments  No  No  Standards, specifications, approvals marine classification  No  No  Standards, specifications, approvals marine classification  No  No  Standards, specifications, approvals marine classification  No  Standards, specifications, approvals marine classification  No  Standards, specifications, approvals	CCC approval	Yes	
BIS CB-certificate Yes MTBF at 40 °C  MTBF at 25 °C  MTBF at 25 °C  Standards, specifications, approvals hazardous environments  certificate of suitability IECEX ATEX No ULhazloc approval CCSAus, Class 1, Division 2 FM registration  shipbuilding approval  Marine classifications, approvals marine classification shipbuilding approval  American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS)  ambient conditions  ambient conditions  ambient temperature during operation  Yes: R-41184349 Yes Yes FOR TOR TOR TOR TOR TOR TOR TOR TOR TOR T	NEC Class 2	No	
OB-certificate     MTBF at 40 °C     MTBF at 25 °C     according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V AC  standards, specifications, approvals hazardous environments  certificate of suitability     IECEx	type of certification		
MTBF at 40 °C  MTBF at 25 °C  MTBF at 25 °C  standards, specifications, approvals hazardous environments  certificate of suitability  IECEX  ATEX  Ulhazloc approval  CCSAus, Class 1, Division 2  FM registration  shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Lloyds Register of Shipping (LRS)  ambient temperature  during operation  500 000 h  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  500 000 h  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  No  No  No  No  No  No  Standards, specifications, approvals marine classification  No  Standards, specifications, approvals marine classification  No  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  No  French marine classification society (BV)  No  Det Norske Veritas (DNV)  No  Lloyds Register of Shipping (LRS)  ambient temperature  during operation  -25 +70; With natural convection	• BIS	Yes; R-41184349	
MTBF at 25 °C  standards, specifications, approvals hazardous environments  certificate of suitability  • IECEx  • ATEX  • ULhazloc approval  • CCSAus, Class 1, Division 2  • FM registration  shipbuilding approval  Marine classification, approvals marine classification  shipbuilding approval  Marine classification sosociation  • American Bureau of Shipping Europe Ltd. (ABS)  • Fench marine classification society (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  ambient temperature  • during operation  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  AC  according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V  AC  No  No  No  **ATEX  No  No  **Anex  **Anex	CB-certificate	Yes	
standards, specifications, approvals hazardous environments  certificate of suitability  • IECEX  • ATEX  • ULhazloc approval  • cCSAus, Class 1, Division 2  • FM registration  shipbuilding approval  Morine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature  • during operation  Ano  No  No  No  - Standards, specification society (BV)  No  • French marine classification society (BV)  • No  • Lloyds Register of Shipping (LRS)  Ano  ambient temperature  • during operation  -25 +70; With natural convection	MTBF at 40 °C	500 000 h	
standards, specifications, approvals hazardous environments  certificate of suitability  • IECEX  • ATEX  • ULhazloc approval  • cCSAus, Class 1, Division 2  • FM registration  shipbuilding approval  Morine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature  • during operation  Ano  No  No  No  - Standards, specification society (BV)  No  • French marine classification society (BV)  • No  • Lloyds Register of Shipping (LRS)  Ano  ambient temperature  • during operation  -25 +70; With natural convection	MTBF at 25 °C	according to MIL-HDBK-217F, 100% full load (24 V, 3 A), input voltage: 220 V	
certificate of suitability  • IECEX  • ATEX  No  • ULhazloc approval  • cCSAus, Class 1, Division 2  • FM registration  shipbuilding approval  Morine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature  • during operation			
IECEX ATEX ATEX  Vo ULhazloc approval CCSAus, Class 1, Division 2 FM registration  Standards, specifications, approvals marine classification  Shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS)  Ambient conditions  ambient temperature during operation  No No ATENDATE NO No No ATENDATE NO No No ATENDATE NO NO ATENDA	standards, specifications, approvals hazardous environments		
ATEX  ULhazloc approval  CCSAus, Class 1, Division 2  FM registration  No  Standards, specifications, approvals marine classification  shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Veritas (DNV)  Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature  during operation  No  No  -25 +70; With natural convection	certificate of suitability		
ULhazloc approval CCSAus, Class 1, Division 2 FM registration No  standards, specifications, approvals marine classification shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature during operation  No  No  -25 +70; With natural convection	• IECEx	No	
cCSAus, Class 1, Division 2     FM registration     No  standards, specifications, approvals marine classification  shipbuilding approval  Marine classification association      American Bureau of Shipping Europe Ltd. (ABS)      French marine classification society (BV)      Det Norske Veritas (DNV)      Lloyds Register of Shipping (LRS)  ambient conditions  ambient temperature      during operation      No  No  -25 +70; With natural convection	• ATEX	No	
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● Det Norske Veritas (DNV)  ● Lloyds Register of Shipping (LRS)  Ambient conditions  ambient temperature  ● during operation  -25 +70; With natural convection			
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ambient temperature  ● during operation  -25 +70; With natural convection		INU	
• during operation -25 +70; With natural convection			
	•	05 - 70 M// 1 - 1 - 1	
◆ during transport     −40 +85			
	during transport	-40 +85	

during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
type of electrical connection	screw terminal
• at input	L, N, PE: screw terminal for 0.5 6 mm² single-core / 0.5 4 mm² finely stranded
<ul><li>at output</li></ul>	+1, +2, -1, -2: screw terminal for 0.5 4 mm <sup>2</sup>
mechanical data	
width × height × depth of the enclosure	45 × 10 × 81 mm
installation width × mounting height	85 mm × 140 mm
required spacing	
• top	20 mm
• bottom	20 mm
• left	20 mm
• right	20 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul> <li>standard rail mounting</li> </ul>	Yes
<ul> <li>S7 rail mounting</li> </ul>	No
wall mounting	Yes
housing can be lined up	No
net weight	0.46 kg
additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
Classifications	

Classifications

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

## Approvals Certificates

**General Product Approval** 

Manufacturer Declaration



last modified: 11/14/2024 🖸