## **SIEMENS**

Data sheet 6EP1333-2BA20



SITOP PSU100S/1AC/24VDC/5A

SITOP PSU100S 24 V/5 A stabilized power supply input: 120/230 V AC output: 24 V DC/5 A

input		
type of the power supply network	1-phase AC	
supply voltage at AC	Automatic range selection	
supply voltage	120 V/230 V	
input voltage 1 at AC	85 132 V	
input voltage 2 at AC	170 264 V	
wide range input	No	
overvoltage overload capability	2.3 × Vin rated, 1.3 ms	
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 = 93/187 V	
line frequency	50/60 Hz	
line frequency	47 63 Hz	
input current		
<ul> <li>at rated input voltage 120 V</li> </ul>	2.34 A	
at rated input voltage 230 V	1.36 A	
current limitation of inrush current at 25 °C maximum	40 A	
12t value maximum	1 A²-s	
fuse protection type	T 3,15 A/250 V (not accessible)	
fuse protection type in the feeder	Recommended miniature circuit breaker: from 6 A characteristic C	
output		
voltage curve at output	Controlled, isolated DC voltage	
output voltage at DC rated value	24 V	
output voltage		
at output 1 at DC rated value	24 V	
output voltage adjustable	Yes; via potentiometer	
adjustable output voltage	22.8 28 V	
relative overall tolerance of the voltage	3 %	
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>	1 %	
residual ripple		
• maximum	150 mV	
• typical	30 mV	
voltage peak		
• maximum	240 mV	
• typical	140 mV	
display version for normal operation	Green LED for 24 V OK	
type of signal at output	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"	
behavior of the output voltage when switching on	Overshoot of Vout < 3 %	

rocponeo dolov mavimum	0.2.0	
response delay maximum	0.3 s	
voltage increase time of the output voltage	15 mg	
• typical	15 ms	
output current		
• rated value	5 A	
rated range	0 6 A; 6 A up to +45°C; +60 +70 °C: Derating 1.6%/K	
supplied active power typical	144 W	
short-term overload current		
<ul> <li>on short-circuiting during the start-up typical</li> </ul>	18 A	
at short-circuit during operation typical	18 A	
duration of overloading capability for excess current		
<ul> <li>on short-circuiting during the start-up</li> </ul>	800 ms	
at short-circuit during operation	800 ms	
bridging of equipment	Yes	
number of parallel-switched equipment resources for increasing the power	2	
efficiency		
efficiency in percent	88 %	
power loss [W]		
<ul> <li>at rated output voltage for rated value of the output current typical</li> </ul>	16 W	
closed-loop control		
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.3 %	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %	
setting time		
<ul> <li>load step 10 to 90% typical</li> </ul>	1 ms	
• load step 90 to 10% typical	1 ms	
protection and monitoring		
design of the overvoltage protection	protection against overvoltage in case of internal fault Vout < 33 V	
property of the output short-circuit proof	Yes	
design of short-circuit protection	Constant current characteristic	
response value current limitation	6 7.1 A	
overcurrent overload capability		
• in normal operation	overload capability 150 % lout rated up to 5 s/min	
enduring short circuit current RMS value		
• typical	7.1 A	
safety		
galvanic isolation between input and output	Yes	
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178	
operating resource protection class	Class I	
leakage current		
maximum	3.5 mA	
• typical	0.4 mA	
protection class IP	IP20	
EMC		
standard		
for emitted interference	EN 55022 Class B	
for mains harmonics limitation	EN 61000-3-2	
• for interference immunity	EN 61000-5-2 EN 61000-6-2	
standards, specifications, approvals	21.0.000 0 2	
certificate of suitability		
CE marking	Yes	
UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	
CSA approval	(CSA C22.2 No. 60950-1, UL 60950-1)  Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	
• LIKCA marking		
UKCA marking     FAC energyel	Yes	
EAC approval     NEC Class 3	Yes	
NEC Class 2  type of certification	No	

BIS Ves; R-41188271  Ves MTBF at 40 °C  MTBF at 40 °C  I 1998 441 h  Standards, specifications, approvals hazardous environments certificate of suitability  EIECEX No  ATEX No  COSAus, Class 1, Division 2 No  For Megistration  Standards, specifications, approvals marine classification shipbuilding approval  American Bureau of Shipping Europe Ltd. (ABS) No  French marine classification association  American Bureau of Shipping Europe Ltd. (ABS) No  French marine classification society (BV) Yes  Obt Norsek Vertias (DNV) Yes  Obt Norsek Vertia	
MTBF at 40 °C  standards, specifications, approvals hazardous environments  certificate of suitability  • IECEX  • ATEX  No  • CSAus, Class 1, Division 2  • FM registration  shipbuliding approval  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Lolyds Register of Shipping (LRS)  No  standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Evironmental Product Declaration  Evironmental Product Declaration  Evironmental Product Declaration  e during manufacturing  12.9 kg  • Lottal  • during manufacturing  • during operation  • after end of life  • during properation  • during properation  • during stranger  • during stranger  • during stranger  • during strange  environmental category according to IEC 60721  connection method  type of electrical connection  • at input  • at output  • a coulidary contacts  • for signaling contact   **Exercise terminals each for 0.5 2.5 mm² single-core/finely stran  + 2 screw terminals each for 0.5 2.5 mm²  2 screw terminals for 0.5 2.5 mm²  **Exercise termin	
certificate of suitability    EICEX	
certificate of suitability  IECES No  ATEX  OLDA ATEX  ULhazloc approval No  CCSAus, Class 1, Division 2 No  The registration No  standards, specifications, approvals marine classification shipbulding approval Yes  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS) No  French marine classification society (BV) Yes  Det Norske Veritas (DNV) Yes  Det Norske Veritas (DNV) No  Standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Tenvironmental Product Declaration  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  12.9 kg  during amunfacturing 12.9 kg  during operation  Standards, specifications, approvals Environmental Product Declaration  Tenvironmental Composition  Standards, specifications, approvals Environmental Product Declaration  Environmental temperature  during operation  Standards, specifications, approvals Environmental Product Declaration  Tenvironmental captor of the Standard S	
IECEX  ATEX  No  LUbazloc approval  CCSAus, Class 1, Division 2  FM registration  sinpoulding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Perench marine classification  No  Standards specifications, approvals Environmental reductor specifications  No  Standards specifications, approvals Environmental reductor specifications  Perench marine classification  Perench marine classification  Perench marine classification  No  Standards specifications, approvals Environmental reductor specifications  No  Standards specifications, approvals Environmental reductor specifications  No  Standards specifications, approvals Environmental reductor specifications  No  Standards specifications  No  Standards specifications, approvals Environmental reductor specifications  No  Standards specifications	
ATEX  OUT A proper source of the proper source of	
ULhazioc approval  CCSAus, Class 1, Division 2  FM registration  Shipbuliding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Ventas (DNV)  Lloyds Register of Shipping (LRS)  Environmental Product Declaration  513.7 kg  during manufacturing  12.9 kg  during operation  offer and of life  0.35 kg  ambient conditions  ambient temperature  during operation  during operation  during operation  during geration  during storage  environmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  connection method  type of electrical connection  at input  at output  for auxiliary contacts  for of auxiliary contacts  for for auxiliary contacts  for for auxiliary contacts  for for auxiliary contacts  for for auxiliary contacts  for signaling contact  So × 125 × 120 mm  installation width × mounting height  required spacing  top  top  bottom  50 mm  50 mm	
CCSAus, Class 1, Division 2  FM registration  Shipbuilding approval  Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  French marine classification society (BV)  Eloyds Register of Shipping (LRS)  No  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Solobal Warming Potential [CO2 eq]  Outring operation	
*FM registration sportivations, approvals marine classification shipbuilding approval  Marine classification association  *American Bureau of Shipping Europe Ltd. (ABS)  *French marine classification association  *American Bureau of Shipping Europe Ltd. (ABS)  *Prench marine classification society (BV)  *De thorske Ventias (DNV)  *Lloyds Register of Shipping (LRS)  **Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  *Environmental Product Declaration  **Environmental Product Declaration  **Environmental Product Declaration  **Environmental Product Declaration  **Global Warming Potential (CO2 eq)  **otorial  **oturing operation  **oduring amanufacturing  **oduring operation  **oduring transport  **oduring storage	
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)  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Global Warming Potential (CO2 eq)  • total  • during manufacturing  • during operation  • after end of life  ambient temperature  • during operation  • during torage  • during storage  environmental category according to IEC 60721  connection method  type of electrical connection  • at input  • at input  • at input  • at output  • for auxiliary contacts  • for signaling contact  • for signaling contact  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom  • other  • bottom  • other  • ot	
Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  **Shipping Large (LRS)  **Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  **Pes  Global Warming Potential (CO2 eq)  • total  • during panufacturing  • during operation  • after end of life  • 0.35 kg  **ambient conditions  **ambient temperature  • during operation  • during generation  • during transport  • during storage  • and +85  • during storage  environmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  **connection method**  type of electrical connection  • at input  • at input  • at output	
Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Veritas (DNV)  • Lloyds Register of Shipping (LRS)  standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Global Warming Potential [CO2 eq]  • total  • total  • during manufacturing  • after end of life  • during operation  • during transport  • during transport  • during transport  • during storage  environmental category according to IEC 60721  Connection method  type of electrical connection  • at input  • at input  • at output  • for auxiliary contacts  • for signaling contact  mechanical data  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom	
American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) French marine classification society (BV) Lloyds Register of Shipping (LRS) Lloyds Register of Shipping (LRS)  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Yes  Global Warming Potential [CO2 eq] total during manufacturing during operation during transport during storage environmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  connection method  type of electrical connection at input direction of screw terminal during to screw terminal each for 0.5 2.5 mm² single-core/finely stran during to signaling contact direction of screw terminals for 0.5 2.5 mm² et or signaling contact  Mechanical data  width × height × depth of the enclosure installation width × mounting height found	
French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) No  Environmental Product Declaration  Yes  Global Warming Potential [CO2 eq]  total during manufacturing 12.9 kg during operation after end of life 3.35 kg  ambient conditions  ambient temperature during operation during transport during storage environmental category according to IEC 60721  Climate class 3K3, 5 95% no condensation  tonnection method  type of electrical connection at input different conditions  Frequency (Simple Core/finely strangle) Alarm signals: 2 screw terminal each for 0.5 2.5 mm² for auxiliary contacts for a signaling contact  For auxiliary contacts for signaling contact  Environmental data  Width × height × depth of the enclosure installation width × mounting height  For minumental sources  For auxiliary contacts For auxil	
Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) No  standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Yes  Global Warming Potential [CO2 eq] total during manufacturing 12.9 kg during operation after end of life 3.35 kg  ambient conditions  ambient temperature during operation during transport during storage environmental category according to IEC 60721 Climate class 3K3, 5 95% no condensation  connection method  type of electrical connection at input for auxiliary contacts for a signaling contact for a signaling contact for signaling contact  e for signaling contact  mechanical data width × height × depth of the enclosure installation width × mounting height  required spacing total total by e one for method  type of electrical connection for auxiliary contacts for signaling contact for auxiliary contacts for signaling contact for mechanical data width × height × depth of the enclosure finstallation width × mounting height for possible in the product of the the product	
Lloyds Register of Shipping (LRS)  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Yes  Global Warming Potential [CO2 eq]  • total 513.7 kg  • during manufacturing 12.9 kg  • during operation 500.4 kg  • after end of life 0.35 kg   ambient conditions  ambient temperature  • during operation -25 +70; with natural convection  • during storage 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  • at input 1, -: 2 screw terminal each for 0.5 2.5 mm² single-core/finely stranthal to a toutput 1, -: 2 screw terminals each for 0.5 2.5 mm²  • for auxiliary contacts Alarm signals: 2 screw terminals for 0.5 2.5 mm²  • for signaling contact 2 screw terminals for 0.5 2.5 mm²  • for signaling contact 50 × 125 × 120 mm  installation width × mounting height 50 mm × 225 mm  required spacing  • top 50 mm  • bottom 50 mm	
Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Yes  Global Warming Potential [CO2 eq]  • total  • during manufacturing  • during operation  • after end of life  0.35 kg  ambient conditions  ambient temperature  • during operation  • during transport  • during storage  environmental category according to IEC 60721  Connection method  type of electrical connection  • at input  • at output  • at output  • for auxiliarry contacts  • for signaling contact  methanical data  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom	
Environmental Product Declaration  Global Warming Potential [CO2 eq]  • total  • during manufacturing  • during operation  • after end of life  • during operation  • during storage  • during storage  • during storage  • during storage  connection method  type of electrical connection  • at input  • at input  • at output  • at output  • at output  • for auxiliary contacts  • for signaling contact  mechanical data  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom	
Stotal   Start   Sta	
• total     • during manufacturing     • during operation     • after end of life     • during operation     • after end of life     • anbient conditions  ambient temperature     • during operation     • during transport     • during storage     • during storage     • during storage     • anbient condection without the provided of the provided	
<ul> <li>during manufacturing</li> <li>during operation</li> <li>after end of life</li> <li>0.35 kg</li> </ul> ambient conditions ambient temperature <ul> <li>during operation</li> <li>during goperation</li> <li>during storage</li> <li>during storage</li> <li>during storage</li> <li>during storage</li> <li>during taleagory according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> </ul> connection method type of electrical connection <ul> <li>at input</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>for signaling contact</li> <li>at width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>top</li> <li>bottom</li> <li>50 mm</li> <li>50 mm</li> </ul>	
<ul> <li>during operation</li> <li>after end of life</li> <li>0.35 kg</li> </ul> ambient conditions ambient temperature <ul> <li>during operation</li> <li>during storage</li> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> </ul> connection method type of electrical connection <ul> <li>at input</li> <li>at output</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>for signaling contact</li> <li>at input</li> <li>corew terminals for 0.5 2.5 mm²</li> <li>alarm signals: 2 screw terminals for 0.5 2.5 mm²</li> </ul> mechanical data width × height × depth of the enclosure <ul> <li>installation width × mounting height</li> <li>on mx × 225 mm</li> </ul> required spacing <ul> <li>top</li> <li>bottom</li> </ul> 50 mm <ul> <li>50 mm</li> </ul>	
ambient conditions  ambient temperature  during operation during storage environmental category according to IEC 60721  type of electrical connection at input at output for auxiliary contacts for signalling contact for signalling contact width × height × depth of the enclosure installation width × mounting height required spacing for during storage  at output  at fine the during storage connection to the enclosure connection to the fine the enclosure connection to th	
ambient conditions  ambient temperature  • during operation • during transport • during storage • nvironmental category according to IEC 60721   Climate class 3K3, 5 95% no condensation  connection method  type of electrical connection • at input • at output • for auxiliary contacts • for signaling contact • for signaling contact  width × height × depth of the enclosure installation width × mounting height  required spacing • top • bottom	
ambient temperature  • during operation  • during transport  • during storage  environmental category according to IEC 60721  Connection method  type of electrical connection  • at input  • at output  • for auxiliary contacts  • for signaling contact  mechanical data  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom  • during transport  -25 +70; with natural convection  -25 +70; with natural convection  -25 +70; with natural convection  -40 +85  -40	
<ul> <li>during operation</li> <li>during transport</li> <li>during storage</li> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> </ul> connection method type of electrical connection <ul> <li>at input</li> <li>at output</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>at or input</li> <li>for signaling contact</li> <li>at input</li> <li>for signaling contact</li> <li>at output</li> <li>for signaling contact</li> <li>at output</li> <li>during transport</li> <li>for signaling contact</li> <li>at input</li> <li>for signaling contact</li> <li>at output</li> <li>for signaling contact</li> <li>for s</li></ul>	
<ul> <li>during transport</li> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>connection method</li> <li>type of electrical connection</li> <li>at input</li> <li>t, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strantent output</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>a screw terminals each for 0.5 2.5 mm²</li> <li>for signaling contact</li> <li>2 screw terminals for 0.5 2.5 mm²</li> <li>mechanical data</li> <li>width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>for mm × 225 mm</li> <li>required spacing</li> <li>top</li> <li>bottom</li> <li>50 mm</li> <li>50 mm</li> </ul>	
<ul> <li>during storage</li> <li>environmental category according to IEC 60721</li> <li>Climate class 3K3, 5 95% no condensation</li> <li>connection method</li> <li>type of electrical connection</li> <li>at input</li> <li>at output</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>at output a screw terminals each for 0.5 2.5 mm²</li> <li>Alarm signals: 2 screw terminals for 0.5 2.5 mm²</li> <li>for signaling contact</li> <li>acrew terminals for 0.5 2.5 mm²</li> <li>for signaling contact</li> <li>acrew terminals for 0.5 2.5 mm²</li> <li>bottom</li> <li>for mm × 225 mm</li> <li>for mm</li> </ul>	natural convection
environmental category according to IEC 60721  Connection method  type of electrical connection  • at input  • at output  • for auxiliary contacts  • for signaling contact  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom  Climate class 3K3, 5 95% no condensation  Climate class 3K3, 5 95% no condensation  Climate class 3K3, 5 95% no condensation  Screw terminal  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strant  +, -: 2 screw terminals each for 0.5 2.5 mm²  Alarm signals: 2 screw terminals for 0.5 2.5 mm²  2 screw terminals for 0.5 2.5 mm²  50 × 125 × 120 mm  50 mm × 225 mm	
type of electrical connection  • at input  • at output  • for auxiliary contacts  • for signaling contact  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom  screw terminal  screw terminal each for 0.5 2.5 mm² single-core/finely strange.  L, N, PE: 1 screw terminal each for 0.5 2.5 mm²  L, N, PE: 1 screw terminals each for 0.5 2.5 mm²  Alarm signals: 2 screw terminals for 0.5 2.5 mm²  2 screw terminals for 0.5 2.5 mm²  50 × 125 × 120 mm  50 mm × 225 mm	N/O - 0-0/
type of electrical connection  • at input  • at output  • for auxiliary contacts  • for signaling contact  width × height × depth of the enclosure  installation width × mounting height  • top  • bottom  • at input  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strand  +, -: 2 screw terminals each for 0.5 2.5 mm²  Alarm signals: 2 screw terminals for 0.5 2.5 mm²  2 screw terminals for 0.5 2.5 mm²  50 × 125 × 120 mm  50 mm × 225 mm	3K3, 5 95% no condensation
<ul> <li>at input</li> <li>at output</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>at output</li> <li>for signaling contact</li> <li>at output</li> <li>Alarm signals: 2 screw terminals for 0.5 2.5 mm²</li> <li>for signaling contact</li> <li>2 screw terminals for 0.5 2.5 mm²</li> <li>2 screw terminals for 0.5 2.5 mm²</li> <li>mechanical data</li> <li>width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>for mm × 225 mm</li> <li>required spacing</li> <li>top</li> <li>bottom</li> <li>50 mm</li> <li>50 mm</li> <li>50 mm</li> </ul>	
<ul> <li>at output</li> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>for signaling contact</li> <li>2 screw terminals for 0.5 2.5 mm²</li> <li>mechanical data</li> <li>width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>for mechanical data</li> <li>50 × 125 × 120 mm</li> <li>for mm × 225 mm</li> <li>for mm × 225 mm</li> <li>for mm × 200 mm</li> <li>for mm</li> </ul>	
<ul> <li>for auxiliary contacts</li> <li>for signaling contact</li> <li>2 screw terminals for 0.5 2.5 mm²</li> <li>mechanical data</li> <li>width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>for mechanical data</li> <li>bottom</li> <li>Alarm signals: 2 screw terminals for 0.5 2.5 mm²</li> <li>50 × 125 × 120 mm</li> <li>50 mm × 225 mm</li> <li>50 mm</li> <li>50 mm</li> <li>50 mm</li> <li>50 mm</li> <li>50 mm</li> </ul>	
● for signaling contact  mechanical data  width × height × depth of the enclosure installation width × mounting height  required spacing  ● top	
mechanical data  width × height × depth of the enclosure installation width × mounting height  required spacing  • top • bottom  50 × 125 × 120 mm  50 mm × 225 mm  50 mm  50 mm	
width × height × depth of the enclosure  installation width × mounting height  required spacing  • top  • bottom  50 × 125 × 120 mm  50 mm × 225 mm  50 mm  50 mm	als for 0.5 2.5 mm²
installation width × mounting height  required spacing  • top  • bottom  50 mm × 225 mm  50 mm  50 mm	
required spacing  • top 50 mm  • bottom 50 mm	
• top 50 mm • bottom 50 mm	nm
• bottom 50 mm	
0 mm	
• right 0 mm	
fastening method Snaps onto DIN rail EN 60715 35x7.5/15	N rail EN 60715 35x7.5/15
• standard rail mounting  Yes	
• S7 rail mounting	
• wall mounting No	
housing can be lined up Yes	
net weight 0.5 kg	
accessories	
electrical accessories  Buffer module	
mechanical accessories  Device identification label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20	ation label 20 mm × 7 mm, pale turquoise 3RT1900-1SB20
further information internet links	
internet link	
• to website: Industry Mall <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>	ustry.siemens.com
• to web page: selection aid TIA Selection Tool <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>	mens.com/tstcloud
• to website: CAx-Download-Manager <a href="https://siemens.com/cax">https://siemens.com/cax</a>	s.com/cax
• to website: Industry Online Support <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>	industry siemens com
additional information	

other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

## security information

security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

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 Declaration of Conformity





**General Product Approval** 

Marine / Shipping

Environment

**Miscellaneous** 

BIS CRS







last modified:

11/19/2024