## **SIEMENS**

## **Data sheet**



SIMATIC PS307/1AC/24VDC/10A

SIMATIC S7-300 Regulated power supply PS307 input: 120/230 V AC, output: 24 V / 10 A DC

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>	4.2 A
<ul> <li>at rated input voltage 230 V</li> </ul>	1.9 A
current limitation of inrush current at 25 °C maximum	55 A
duration of inrush current limiting at 25 °C	
• maximum	3 ms
I2t value maximum	3.3 A²·s
fuse protection type	T 6.3 A/250 V (not accessible)
fuse protection type in the feeder	Recommended miniature circuit breaker: from 10 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	No; -
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>	0.5 %
residual ripple	
• maximum	50 mV
• typical	15 mV
voltage peak	
• maximum	150 mV
• typical	60 mV
display version for normal operation	Green LED for 24 V OK
behavior of the output voltage when switching on	No overshoot of Vout (soft start)

	0.5	
response delay maximum	2 s	
voltage increase time of the output voltage		
• typical	10 ms	
output current		
rated value	10 A	
rated range	0 10 A	
supplied active power typical	240 W	
short-term overload current		
<ul> <li>on short-circuiting during the start-up typical</li> </ul>	38 A	
at short-circuit during operation typical	38 A	
duration of overloading capability for excess current		
on short-circuiting during the start-up	80 ms	
at short-circuit during operation	80 ms	
bridging of equipment	Yes	
efficiency	100	
	90 %	
efficiency in percent	90 76	
power loss [W]	07.14	
<ul> <li>at rated output voltage for rated value of the output current typical</li> </ul>	27 W	
closed-loop control		
relative control precision of the output voltage with rapid	0.1 %	
fluctuation of the input voltage by +/- 15% typical		
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	2 %	
setting time		
maximum	0.1 ms	
protection and monitoring		
design of the overvoltage protection	Additional control loop, shutdown at < 28.8 V, automatic restart	
property of the output short-circuit proof	Yes	
design of short-circuit protection	Electronic shutdown, automatic restart	
response value current limitation	11 12 A	
enduring short circuit current RMS value		
maximum	12 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	Oldoo I	
maximum	3.5 mA	
• typical	0.6 mA	
protection class IP	IP20	
EMC	11 20	
standard	FNI FF000 Class B	
• for emitted interference	EN 55022 Class B	
• for mains harmonics limitation	EN 61000-3-2	
for interference immunity	EN 61000-6-2	
standards, specifications, approvals		
certificate of suitability		
• CE marking	Yes	
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289	
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 142), File E143289	
UKCA marking	Yes	
<ul> <li>EAC approval</li> </ul>	Yes	
NEC Class 2	No	
type of certification		
type of certification  ◆ BIS	Yes; R-41183539	
· ·	Yes; R-41183539 Yes	
• BIS		
BIS     CB-certificate  MTBF at 40 °C	Yes 1 504 280 h	
BIS     CB-certificate  MTBF at 40 °C  standards, specifications, approvals hazardous environments	Yes 1 504 280 h	
BIS     CB-certificate  MTBF at 40 °C	Yes 1 504 280 h	

ATEX ULhazloc approval CCSAus, Class 1, Division 2 Ves CCSAus, Class 1, Division 2 Ves CCSCAus, Class 1, Division 2 Ves CCC for hazardous zone according to GB standard Ves CCC for hazardous zone according to GB standard Ves CCC for hazardous zone according to GB standard Ves CCC for hazardous zone according to GB standard Ves CCC for hazardous zone according to GB standard Ves CCC for hazardous zone according to GB standard Ves Class I, Div. 2, Group ABCD, T4  Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (NV) Loyds Register of Shipping (LRS) Ves Standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Ves Clabal Warming Potential (CO2 eq) I total  during manufacturing during operation Ves Clabal Warming Potential (CO2 eq) Ves Standardous potential (CO2 eq) Ves Uning operation Ves Clabal Warming Potential (CO2 eq) Ves Standardous potential Ves			
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CVCC for hazardous zone according to GB standard FM registration association FM registration FM registration association FM registration association FM registration association FM registration association FM registration FM registrat	OLHazioc approvai	Yes	
CCC for hazardous zone according to GB standard STM registration  *FM registration  *FM registration  shipbuilding approval  Marine classification asposition  *American Bureau of Shipping Europe Ltd. (ABS)  *French marine classification sociation  *American Bureau of Shipping Europe Ltd. (ABS)  *Prench marine classification sociation  *American Bureau of Shipping (LRS)  *Pes  *Loyds Register of Shipping (LRS)  *Loyds Register of Shipping (LRS)  *Environmental Product Declaration  **Environmental Product Declaration  **Environmental Product Declaration  **Environmental Product Declaration  **Environmental Product Declaration  **Op. Skg  **Environmental Product Declaration  **Environmental Category and Skg	• cCSAus, Class 1, Division 2	No	
* FM registration substitutions approval marrine classification shipbuilding approval substitution of the classification shipbuilding approval and a sociation shipbuilding approval and a sociation shipbuilding approval substitution of the classification sociation sociation (RV) No    - Pernoth marine classification sociation (RV) Yes   - Det Norsko Veritas (DNV) Yes   - Det Norsko Veritas (DNV) Yes   - Lidvolk Register of Shipping (LRS) Yes   - Standards, specifications, approvals Environmental Product Declaration   Environmental Product Declaration Yes   - Clobal Warming Potential (CO2 ed]    - total	• UKEX	Yes	
shobulting approval shobulting approval shobulting approval shobulting approval shobulting approval American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNY) Libyds Register of Shipping (LRS) Standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Environmental Product Declaration  Environmental	<ul> <li>CCC for hazardous zone according to GB standard</li> </ul>	Yes	
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  Global Warming Potential (CO2 eq]  • total  • during manufacturing  • during operation  • during operation  • during peration  • during peration  • during storage  • during muthation independent of the storage of	FM registration	Yes; Class I, Div. 2, Group ABCD, T4	
Marine classification association  American Bureau of Shipping Europe Ltd. (ABS)  French marine classification society (BV)  Det Norske Vertias (DNV)  Lloyds Register of Shipping (LRS)  Yes  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Environmental Product Declaration  Auring potential (CO2 eq)  total  during manufacturing  15.8 kg  during operation  alter end of life  0.5 kg  emblent conditions  ambient temperature  during transport  during transport  during transport  during storage  environmental category according to IEC 60721  Connection method  type of electrical connection  at input  for auxiliary contacts  sorew terminal  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  4.4 m 485 "C  environmental data  width × height × depth of the enclosure installation width × mounting height  required spacing  top  top  40 mm  bottom  a fastening method  can be mounted onto \$7 rail  standard rail mounting  No  can be mounted mounting rail (6EP1971-1BA00)  further information internet links  internet link	standards, specifications, approvals marine classification		
American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Pet Nose Vertias (DNV) Loyds Register of Shipping (LRS) Fundards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Fundards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Global Warming Potential [COZ eq] total during operation during operation during operation during operation during dransport during storage  All miles of Commental Category according to IEC 80721  Climate class 3K3, 5 95% no condensation  type of electrical connection at input district operation at input district operation at output for auxiliary contacts  Technical dats Technical dats Technical district operation No bottom  Installation width × mounting height required spacing Tegith Te	shipbuilding approval	Yes	
French marine classification society (BV) Det Norske Veritas (DNV) Livoys Register of Shipping (LRS) Yes  standards, spacifications, approvals Environmental Product Declaration  Yes  Clobal Warming Potential (CO2 eq)  • total • total • during manufacturing • during peration • during operation • during operation • during operation • during transport • during storage • durin	Marine classification association		
Det Norske Veritas (DNV)  * Lloyds Register of Shipping (LRS)  standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Global Warming Potential (CO2 eq)  * lotal  * otal  * during manufacturing  * during operation  * after end of life  * ot.5 kg  * mbient conditions  ambient emperature  * during operation  * during storage  * during storage  * during storage  * and +85 °C  * during storage  * environmental category according to IEC 60721  connection method  type of electrical connection  * at input  * at output  * of a usuillary contacts  * of a usuillary contacts  * of a usuillary contacts  * width × height × depth of the enclosure  installation width × mounting height  * equired spacing  * top  * bottom  * left  * oright  * oright  * or yes  * and or yes  *		No	
Lloyds Register of Shipping (LRS)  Standards, specifications, approvals Environmental Product Declaration  Environmental Product Declaration  Yes  Global Warming Potential (CO2 eq)  • total  • during manufacturing  • during peration  • after end of life  0.5 kg  subtent conditions  ambient temperature  • during operation  • during storage  • 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  • for auxiliary contacts  mochanical data  width × height × depth of the enclosure installation width × mounting height  • top  • top  • top  • top  • top  • top  • Sor auxiliary contacts  methaning method  • standard rall mounting  • Sor all mo		No	
Environmental Product Declaration  Province Declaration  Yes  Global Warming Potential (CO2 eq)  • total 861.1 kg  • during manufacturing 15.8 kg  • during operation 844.6 kg  • after end of life 0.5 kg  ambient conditions  ambient temperature  • during operation 0 60 °C; with natural convection  • during graperation 4.0 485 °C  environmental category according to IEC 60721  Climate class 3K3.5 95% no condensation  type of electrical connection 5 2.5 mm² single-core/finely strande  • a tinput 1 N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  • a tinput 1 N, PE: 1 screw terminals each for 0.5 2.5 mm²  • for auxiliary contacts - required spacing  width × height × depth of the enclosure 80 × 125 × 120 mm  installation width × mounting height 80 mm × 205 mm  • left 0.0 mm  • left 0.0 mm  • left 0.0 mm  • standard rail mounting No  • wall mounting Yes  • wall mounting Yes  net weight 0.8 kg  scessories  mechanical accessories Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  intermet link			
Environmental Product Declaration  Global Warming Potential [CO2 eq]  • total  • during manufacturing  • during operation • after end of life  • during operation • after end of life  • during operation • during goperation • during goperation • during storage • during			
Clobal Warming Potential [CO2 eq]			
• total     • during manufacturing     • during operation     • after end of life     • ambient temperature     • during operation     • during transport     • during storage     • after end of life     • environmental category according to IEC 60721     Climate class SK3, 5 95% no condensation  connection method  type of electrical connection     • at input     • at output     • for auxiliary contacts     • for auxiliary contacts     • rechanical data  width × height × depth of the enclosure     installation width × mounting height     required spacing     • top     • bottom     • left     • lop     • bottom     • left     • standard rail mounting     • S7 rail mounting     • S7 rail mounting     • S7 rail mounting     No     housing can be lined up     net weight     ona be meant and adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link   86.1 l kg  66.1 kg  67. k		Yes	
<ul> <li>during manufacturing</li> <li>during operation</li> <li>after end of life</li> <li>0.5 kg</li> </ul> ambient conditions ambient temperature <ul> <li>during operation</li> <li>during operation</li> <li>during strasport</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>st input</li> <li>at output</li> <li>t, N, PE: 1 screw terminal</li> <li>at output</li> <li>for auxiliary contacts</li> <li>for auxiliary contacts</li> <li>mechanical data</li> </ul> width × height × depth of the enclosure <ul> <li>installation width × mounting height</li> <li>top</li> <li>obtrom</li> <li>obtrom</li> <li>obtrom</li> <li>obtrom</li> <li>omm</li> <li>eleft</li> <li>omm</li> <li>estandard rail mounting</li> <li>omm</li> <li>estandard rail mounting</li> <li>wall mounting</li> <li>wall</li></ul>	Global Warming Potential [CO2 eq]		
• during operation     • after end of life     ambient conditions  ambient temperature     • during paragonal data stronger environmental category according to IEC 60721  connection method  type of electrical connection     • at output     • for auxiliary contacts     • for auxiliary contacts     • required spacing     • top     • bottom     • lottp     • bottom     • lottp     • sorem     • lottp     • sorem     • lottp     • sorem     • lottp     • sorem     • lottp     • lo	• total		
ambient conditions  ambient temperature  during operation during transport during transpor			
ambient conditions  ambient temperature  • during operation • during stransport • 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 • at output • for auxiliary contacts  mechanical data width × height × depth of the enclosure installation width × mounting height required spacing • top • bottom • left • iright fastening method • standard rail mounting • strandard rail mounting • wall mounting • Mo housing can be lined up net weight  caccessories mechanical accessories internet link  o 60 °C; with natural convection  4.0 · #3 °C  4.0 · #45 °C  Climate class 3K3, 5 95% no condensation  convection  4.0 · #3 °C  4.0 · #45 °C  Climate class 3K3, 5 95% no condensation  condensation  condensation  4.0 · #5 °C  Climate class 3K3, 5 95% no condensation  condensation  condensation  4.0 · #5 °C  Climate class 3K3, 5 95% no condensation  condensation  condensation  4.0 · #5 °C  Climate class 3K3, 5 95% no condensation  condensation  condensation  4.0 · #5 °C  Climate class 3K3, 5 95% no condensation  condensation  condensation  4.0 · #5 °C  Climate class 3K3, 5 95% no condensation  condensation  5.0 · #6 °C **  4.0 · #65 °C  Climate class 3K3, 5 95% no condensation  6.0 · #6 °C **  4.0 · #65 °C  Climate class 3K3, 5 95% no condensation  6.0 · #6 °C **  6.0 · #6	<b>5</b> .	· ·	
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 auxiliary contacts  mechanical data width × height × depth of the enclosure installation width × mounting height  required spacing • top • bottom • left • right • astandard rail mounting • syr all mounting • wall mounting times  mechanical accessories mechanical accessories internet links  internet link   0 60 °C; with natural convection  4.0 485 °C  Climate class 3K3, 5 95% no condensation  con 495 °C  con 40 485 °C  Climate class 3K3, 5 95% no condensation  climate class 3K3, 5 95% no condensation  screw terminal each for 0.5 2.5 mm² single-core/finely strande  L, N, PE: 1 sorew terminal each for 0.5 2.5 mm² single-core/finely strande  screw terminal each for 0.5 2.5 mm²  sorew terminal each for 0.5 2.5 mm²  sorew terminal each for 0.5 2.5 mm²  sorew terminal each for 0.5 2.5 mm²  single-core/finely strande  L, N, PE: 1 sorew terminal each for 0.5 2.5 mm²  single-core/finely strande  sorew terminal each for 0.5 2.5 mm²  single-core/finely strande  do no 2.5 mm²  single-core/finely strande  sorew terminal each for 0.5 2.5 mm²  single-core/finely strande  do no 2.5 mm²  single-core/finely strande  do no 2.5 mm²  single-core/finely strande  do no 2.5 mm²  single-core/finely strande  left		0.5 kg	
<ul> <li>during operation</li> <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> </ul> type of electrical connection <ul> <li>at input</li> <li>type of electrical connection</li> <li>at output</li> <li>for auxiliary contacts</li> </ul> mechanical data <ul> <li>width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>etop</li> <li>bottom</li> <li>eleft</li> <li>orm</li> <li>eright</li> <li>orm</li> <li>estandard rail mounting</li> <li>estandard rail accessories</li> <li>mechanical accessories</li> <li>Mounting adapter for standard mounting rail (6EP1971-1BA00)</li> </ul>	ambient conditions		
<ul> <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> type of electrical connection <ul> <li>at input</li> <li>t, N, PE: 1 screw terminal</li> <li>t, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande</li> <li>at output</li> <li>for auxiliary contacts</li> </ul> mechanical data width × height × depth of the enclosure <ul> <li>installation width × mounting height</li> <li>top</li> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> <li>omm</li> </ul> eleft <ul> <li>omm</li> </ul> fastening method <ul> <li>standard rail mounting</li> <li>standard rail mounting</li> <li>sort rail mounting</li> <li>ves</li> <li>wall mounting</li> <li>No</li> </ul> housing can be lined up <ul> <li>yes</li> <li>wall mounting rail (6EP1971-1BA00)</li> </ul> further information internet links <ul> <li>internet link</li> </ul> Mounting adapter for standard mounting rail (6EP1971-1BA00) further information internet links internet link	·		
<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 auxiliary contacts</li> <li>mechanical data</li> <li>width × height × depth of the enclosure</li> <li>installation width × mounting height</li> <li>bottom</li> <li>bottom</li> <li>eleft</li> <li>onm</li> <li>eleft</li> <li>onm</li> <li>fastening method</li> <li>estandard rail mounting</li> <li>estandard rail mounting</li> <li>wall mounting</li> <li>hoo</li> <li>housing can be lined up</li> <li>net weight</li> <li>mechanical accessories</li> <li>Mounting adapter for standard mounting rail (6EP1971-1BA00)</li> <li>further information internet links</li> <li>internet link</li> </ul>			
environmental category according to IEC 60721  connection method  type of electrical connection  • at input • at output • for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  • top • bottom • left • right • standard rail mounting • S7 rail mounting • wall mounting housing can be lined up not wight not method  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 strande L+, M: 4 screw terminals each for 0.5 2.5 mm²  - for auxiliary contacts  mechanical data  width × height × depth of the enclosure 80 × 125 × 120 mm 80 mm × 205 mm  required spacing • top • bottom • left • or mm  o mm  value  value valu			
type of electrical connection  • at input • at output • at output • for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  • top • bottom • left • right • standard rail mounting • S7 rail mounting • wall mounting housing can be lined up housing can be lined up net weight  accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link  strandur a cutput  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  L, N, PE: 1 screw terminal each for 0.5 2.5 mm² single-core/finely strande  80 × 125 × 120 mm  80 × 125 × 120 mm  90 mm × 205 mm  40 mm  90 mm			
type of electrical connection  • at input • at input • at output • at output • for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height • bottom • left • right • standard rail mounting • S7 rail mounting • wall mounting • housing can be lined up net weight net width  now internet link  mechanical accessories  mechanical accessories  mechanical accessories  mechanical cacessories  mechanical cacessories  mechanical cacessories  mechanical accessories  mechanical accessories  mechanical internet links		Climate class 3K3, 5 95% no condensation	
at input at output be at output check of a auxiliary contacts	connection method		
• at output     • for auxiliary contacts      mechanical data  width × height × depth of the enclosure     installation width × mounting height  required spacing     • top     • bottom     • left     • right     • right     • standard rail mounting     • S7 rail mounting     • wall mounting     housing can be lined up     net weight     accessories  mechanical accessories  ### L+, M: 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 4 screw terminals each for 0.5 2.5 mm²  - Wish 7 sex 400 mm  - Wish 8 sex 425 × 120 mm  - Wish 7 sex 400 mm  - Wish 7 sex 400 mm  - Wish 7 sex 400 mm  - Wish 8	type of electrical connection	screw terminal	
mechanical data  width × height × depth of the enclosure installation width × mounting height required spacing     top     bottom     left     o mm     left     oright     oright     standard rail mounting     sT rail mounting     wall mounting     wall mounting     housing can be lined up     net weight  mechanical accessories mechanical accessories internet link      mounting     Mo × 125 × 120 mm     80 × 125 × 120 mm     mm     mm × 205 mm     mm     mm × 205 mm     mm     o mm     can be mounted onto S7 rail     No     No     No     No     No     No     No     No     Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links internet link	• at input	L, N, PE: 1 screw terminal each for 0.5 2.5 mm <sup>2</sup> single-core/finely stranded	
mechanical data       width × height × depth of the enclosure     80 × 125 × 120 mm       installation width × mounting height     80 mm × 205 mm       required spacing     40 mm       • top     40 mm       • bottom     40 mm       • left     0 mm       • right     0 mm       fastening method     Can be mounted onto S7 rail       • standard rail mounting     No       • S7 rail mounting     Yes       • wall mounting     No       housing can be lined up     Yes       net weight     0.8 kg       accessories     Mounting adapter for standard mounting rail (6EP1971-1BA00)       further information internet links       internet link	·	L+, M: 4 screw terminals each for 0.5 2.5 mm <sup>2</sup>	
width × height × depth of the enclosure installation width × mounting height  required spacing  • top  • bottom  • left  • right  • right  fastening method  • standard rail mounting  • S7 rail mounting  • wall mounting  housing can be lined up  net weight  accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link	·	•	
installation width × mounting height  required spacing  • top  • bottom  • left  • right  • right  fastening method  • standard rail mounting  • S7 rail mounting  • wall mounting  housing can be lined up  net weight  accessories  mechanical accessories  mechanical accessories  internet link  80 mm × 205 mm  70 mm  40 mm  40 mm  Can be mounted onto S7 rail  No  Can be mounted onto S7 rail  No  Yes  0.8 kg  Mounting adapter for standard mounting rail (6EP1971-1BA00)			
required spacing  • top  • bottom  • left  • right  • right  • standard rail mounting  • S7 rail mounting  • wall mounting  • wall mounting  housing can be lined up  required spacing  method  • standard rail mounting  • S7 rail mounting  • No  housing can be lined up  required spacing  yes  0.8 kg  accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link			
top bottom bottom left oright oright ostandard rail mounting Strail mounting Strail mounting wall mounting housing can be lined up net weight accessories mechanical accessories further information internet links internet link  wall mm dumma dumm		80 mm × 205 mm	
bottom     left     left         0 mm     right     one fastening method     standard rail mounting     standard rail mounting     S7 rail mounting     wall mounting     wall mounting     housing can be lined up     ret weight     accessories mechanical accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links internet link	required spacing		
<ul> <li>left</li> <li>right</li> <li>o mm</li> <li>fastening method</li> <li>standard rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> <li>wall mounting</li> <li>housing can be lined up</li> <li>ret weight</li> <li>0.8 kg</li> </ul> accessories mechanical accessories Mounting adapter for standard mounting rail (6EP1971-1BA00) further information internet links	·		
<ul> <li>right</li> <li>fastening method</li> <li>standard rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> <li>housing can be lined up</li> <li>net weight</li> <li>accessories</li> <li>mechanical accessories</li> <li>Mounting adapter for standard mounting rail (6EP1971-1BA00)</li> <li>further information internet links</li> <li>internet link</li> </ul>			
fastening method  • standard rail mounting  • S7 rail mounting  • wall mounting  housing can be lined up  ret weight  accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link			
<ul> <li>standard rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> <li>No</li> <li>housing can be lined up</li> <li>ret weight</li> <li>0.8 kg</li> <li>accessories</li> <li>mechanical accessories</li> <li>Mounting adapter for standard mounting rail (6EP1971-1BA00)</li> <li>further information internet links</li> <li>internet link</li> </ul>			
S7 rail mounting     wall mounting     No housing can be lined up ret weight net weight  accessories mechanical accessories Mounting adapter for standard mounting rail (6EP1971-1BA00) further information internet links internet link	9		
● wall mounting  No housing can be lined up  Yes  net weight  0.8 kg  accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link	<u> </u>		
housing can be lined up  net weight  0.8 kg  accessories  mechanical accessories  Mounting adapter for standard mounting rail (6EP1971-1BA00)  further information internet links  internet link	-		
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• to website: Industry Mail <a href="https://mail.industry.siemens.com">https://mail.industry.siemens.com</a>	further information internet links		
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security information  Siemens provides products and solutions with industrial cybersecurity function	further information internet links internet link  • to website: Industry Mall  • to website: Industrial communication  • to website: CAx-Download-Manager  • to website: Industry Online Support additional information  other information	https://siemens.com/industrial-communication https://siemens.com/cax https://support.industry.siemens.com	
that support the secure operation of plants, systems, machines and network 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	internet link  • to website: Industry Mall  • to website: Industrial communication  • to website: CAx-Download-Manager  • to website: Industry Online Support  additional information  other information  security information	https://siemens.com/industrial-communication https://siemens.com/cax https://support.industry.siemens.com  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	

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** 





**Declaration of Con**formity

Manufacturer Declaration



**General Product Approval** 

EMV

For use in hazardous locations



**BIS CRS** 









For use in hazardous locations

Marine / Shipping

**FM** 

CCC-Ex









Marine / Shipping

**Environment** 



NK / Nippon Kaiji Ky-<u>okai</u>





CCS (China Classification Society)



last modified:

8/30/2024

