# **SIEMENS**

# **Data sheet**



SITOP PSU8400/3AC/DC24V/40A IOL

SITOP PSU8400 3AC 40A IOL Stabilized power supply Input: 400-500 V 3 AC output: 24 V DC/40 A with IO-Link connection

ype of the power supply network 3-phase AC or DC  supply voltage at AC • minimum rated value • maximum rated value • initial value • initiali	input		
minimum rated value     maximum rated value     minital value     minital value     full-scale value     for V     supply voltage at DC     input voltage value of the output current in the event of power failure minimum     operating condition of the mains buffering     in at Vin = 400 V     inler frequency     in 60 Hz     innet frequency     input current	type of the power supply network	3-phase AC or DC	
* maximum rated value     * initial value     * initial value     * full-scale value     * 576 V  supply voltage at AC     * Derating 323 360 and 550 576 V  supply voltage at DC     * 550 V     * 550 V     * input voltage at DC     * 450 650 V     * wide range input     * Yes     * Solome failure minimum     * operating condition of the mains buffering     * 1    * 1	supply voltage at AC		
• initial value 576 V  • full-scale value 576 V  supply voltage at DC 550 550 V  input voltage at DC 450 550 V  wide range input 450 600 V  wide range input 500 feature minimum  operating condition of the mains buffering at Vin = 400 V  line frequency 50/60 Hz  line frequency 47 63 Hz  input current • at rated input voltage 400 V 1.5 A • at rated input voltage 500 V 1.2 A  input current at DC • at rated input voltage 500 V 1.2 A  input current limitation of inrush current at 25 °C maximum 5 A  212 value maximum 0.1 A² s  fuse protection type in the feeder supply in the feeder required: 3-pole coupled miniature circuit breaker (e.g., 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL489-1410, 3RV2711-1ED10 (UL499)), alternatively slow fuses (for UL: UL489-1410, 3RV2711-1ED10 (UL499), alternatively slow fuses (for UL) UL489-1410, 3RV2711-1ED10 (UL499), alternatively slow fuses (for UL) UL489-1410, 3RV2711-1ED10 (UL499), alternatively slow fuses (for UL	minimum rated value	400 V	
Supply voltage at AC   Derating 323 360 and 550 576 V	<ul> <li>maximum rated value</li> </ul>	500 V	
supply voltage at AC supply voltage at DC soo 550 V input voltage at DC find voltage at DC soo 550 V supply voltage at DC soo 550 V supply voltage at DC soo 550 V wide range input Yes buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 400 V line frequency line frequency soo of Hz line frequency line frequency so of Hz so at rated input voltage 400 V at rated input voltage 500 V at rated input voltage 550 V but remainimum lour source the soo of the source of the soutput voltage relative control precision of the output voltage	• initial value	323 V	
supply voltage at DC input voltage at DC wide range input Yes buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering at Vin = 400 V line frequency line frequency input current • at rated input voltage 400 V at rated input voltage 500 V 1.5 A at rated input voltage 500 V 1.2 A input current at DC • at rated input voltage 500 V at rated input voltage 550 V 1.8 A current limitation of inrush current at 25 °C maximum 12t value maximum 0.1 A*s fuse protection type in the feeder fuse protection type in the feeder fuse protection type in the feeder  fuse protection type fuse protection type in the feeder  fuse protection type fuse pro	• full-scale value	576 V	
Input voltage at DC  wide range input  buffering time for rated value of the output current in the event of power failure minimum  operating condition of the mains buffering  at Vin = 400 V  line frequency  input current  • at rated input voltage 400 V  • at rated input voltage 500 V  • at rated input voltage 500 V  • at rated input voltage 500 V  • at rated input voltage 550 V  • at rated input voltage once at rate of rate value output  voltage curve at output  voltage curve at output  voltage curve at output  voltage adjustable  • at output 1 at DC rated value  24 V  output voltage adjustable  • at output 1 at DC rated value  24 V  output voltage adjustable  • at output 1 oltage of the voltage  relative control precision of the output voltage  relative control precision of the output voltage  relative control precision of the output voltage	supply voltage at AC	Derating 323 360 and 550 576 V	
wide range input  Wide range i	supply voltage at DC	500 550 V	
buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering line frequency so/60 Hz line frequency so/60 Hz line frequency so/60 Hz line frequency 15.66 Hz line frequency 1	input voltage at DC	450 600 V	
power failure minimum operating condition of the mains buffering line frequency line frequency input current • at rated input voltage 400 V • at rated input voltage 500 V • at rated input voltage 550 V • at rated input voltage 650 V • at rated input voltage  required: 3-pole coupled miniature circuit breaker (IEC 898; for UL: UL 489- listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g., 387/2011-1EA10, 3RV2711-1ED10 (UL 489)), alternatively slow fuses (for UL: UL 248-listed); suitable DC protection must be provided when operating with DC power supply.   output  voltage curve at output  voltage at DC rated value  • at output 1 at DC rated value  • at output 1 at DC rated value  • at output 1 at DC rated value  output voltage adjustable  adjustable output voltage  relative overall tolerance of the voltage  relative control precision of the output voltage	wide range input	Yes	
line frequency  line frequency  47 63 Hz  linput current  at rated input voltage 400 V  at rated input voltage 500 V  at rated input voltage 500 V  at rated input voltage 550 V  at rated input voltage at Cc rated value  voltage curve at output Controlled, isolated DC voltage  at output voltage at DC rated value  voltage at DC rated value  at output voltage at DC rated value  voltage adjustable  at output voltage adjustable  adjustable output voltage  adjustable output voltage  adjustable output voltage  at output voltage adjustable  adjustable output voltage  at output voltage adjustable  adjustable output voltage  at output voltage afjustable  adjustable output voltage  at output voltage afjustable  adjustable output voltage  at output voltage adjustable  adjustable output voltage  at output voltage afjustable  at output voltage adjustable  at output volta		30 ms	
line frequency input current  at rated input voltage 400 V at rated input voltage 500 V input current at DC  at rated input voltage 500 V at rated input voltage 550 V at rated input voltage output interest at 25 °C maximum because of a coupled miniature circuit breaker (IEC 898; for UL: UL489-listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC power supply.  at output voltage at DC rated value  at output voltage at DC rated value  at output voltage at DC rated value  at output voltage adjustable  at output voltage adjustable  at output voltage adjustable  Yes; via display and IO-Link interface  adjustable output voltage  at output voltage  3 %  relative control precision of the output voltage	operating condition of the mains buffering	at Vin = 400 V	
input current  • at rated input voltage 400 V • at rated input voltage 500 V 1.2 A  input current at DC • at rated input voltage 500 V • at rated input voltage 550 V 1.8 A  current limitation of inrush current at 25 °C maximum 5 A  I2t value maximum 0.1 A²-s  fuse protection type none fuse protection type in the feeder  cequired: 3-pole coupled miniature circuit breaker (IEC 898; for UL: UL489-listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC power supply.  cutput  voltage curve at output  coutput voltage at DC rated value  output voltage at DC rated value  output voltage  • at output 1 at DC rated value  24 V  output voltage adjustable  • at output voltage  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative control precision of the output voltage  relative control precision of the output voltage	line frequency	50/60 Hz	
<ul> <li>at rated input voltage 400 V</li> <li>at rated input voltage 500 V</li> <li>1.2 A</li> <li>input current at DC</li> <li>at rated input voltage 500 V</li> <li>at rated input voltage 550 V</li> <li>at rated input voltage 550 V</li> <li>1.8 A</li> <li>current limitation of inrush current at 25 °C maximum</li> <li>5 A</li> <li>i2t value maximum</li> <li>none</li> <li>fuse protection type</li> <li>none</li> <li>required: 3-pole coupled miniature circuit breaker (IEC 898; for UL: UL489-listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL284-listed); suitable DC protection must be provided when operating with DC power supply.</li> <li>output</li> <li>voltage curve at output</li> <li>output doltage at DC rated value</li> <li>at output oltage at DC rated value</li> <li>at output 1 at DC rated value</li> <li>at output 1 at DC rated value</li> <li>ves; via display and IO-Link interface</li> <li>adjustable output voltage</li> <li>relative overall tolerance of the voltage</li> <li>relative control precision of the output voltage</li> <li>relative control precision of the output voltage</li> </ul>	line frequency	47 63 Hz	
at rated input voltage 500 V input current at DC at rated input voltage 500 V at rated input voltage 550 V  at rated input voltage 560 V  at rated input voltage 75 C maximum 55 A  at rated input voltage 12 A  at rated in	input current		
input current at DC  • at rated input voltage 500 V  • at rated input voltage 550 V  1.8 A  current limitation of inrush current at 25 °C maximum  5 A  I2t value maximum  0.1 A²-s  fuse protection type  fuse protection type in the feeder  fuse protection type only UL: UL489-listed (C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EAI0, 3RV2711-1ED10 (UL489), alternatively slow fuse for UL: UL248-listed (protection type output breaker (e.g. 3RV2011-1EAI0, 3RV2711-1ED10 (UL489-listed), protection type output breaker (e.g. 3RV2011-1EAI0, a	<ul> <li>at rated input voltage 400 V</li> </ul>	1.5 A	
at rated input voltage 500 V at rated input voltage 550 V 1.8 A  current limitation of inrush current at 25 °C maximum 5 A  I2t value maximum 0.1 A²-s  fuse protection type none fuse protection type in the feeder  fuse protection type in the fee	• at rated input voltage 500 V	1.2 A	
at rated input voltage 550 V  current limitation of inrush current at 25 °C maximum  5 A  12t value maximum  0.1 A²-s  fuse protection type  none  fuse protection type in the feeder  fuse protection type in the feeder  fuse protection type in the feeder  by a RV2011-1EA10, 3RV2711-1ED10 (UL489), alternatively slow fuses (for UL: UL488-listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC power supply.  output  voltage curve at output  controlled, isolated DC voltage  number of outputs  1  output voltage at DC rated value  24 V  output voltage  • at output 1 at DC rated value  24 V  output voltage adjustable  ves; via display and IO-Link interface  adjustable output voltage  relative overall tolerance of the voltage  relative control precision of the output voltage  relative control precision of the output voltage	input current at DC		
current limitation of inrush current at 25 °C maximum  12t value maximum  13t value maximum  14t value maximum  15t value value value value value value  15t value v	<ul> <li>at rated input voltage 500 V</li> </ul>	2 A	
12t value maximum   0.1 A²-s   none	• at rated input voltage 550 V	1.8 A	
fuse protection type  fuse protection type in the feeder  fuse protection type in the feeder  fuse protection type in the feeder  required: 3-pole coupled miniature circuit breaker (IEC 898; for UL: UL489-listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC power supply.  output  voltage curve at output  output voltage at DC rated value  output voltage at DC rated value  output voltage  • at output 1 at DC rated value  24 V  output voltage adjustable  output voltage adjustable  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	current limitation of inrush current at 25 °C maximum	5 A	
required: 3-pole coupled miniature circuit breaker (IEC 898; for UL: UL489-listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC power supply.    Output	12t value maximum	0.1 A²-s	
listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC power supply.  output  voltage curve at output	fuse protection type	none	
voltage curve at output  number of outputs  1  output voltage at DC rated value  output voltage  ● at output 1 at DC rated value  24 V  output voltage adjustable  output voltage adjustable  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	fuse protection type in the feeder	listed/category DIVQ) characteristic C: 4 - 16 A, or circuit breaker (e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)), alternatively slow fuses (for UL: UL248-listed); suitable DC protection must be provided when operating with DC	
number of outputs  output voltage at DC rated value  output voltage  • at output 1 at DC rated value  24 V  output voltage adjustable  output voltage adjustable  Yes; via display and IO-Link interface  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	output		
output voltage  ■ at output 1 at DC rated value  24 V  output voltage  ■ at output 1 at DC rated value  24 V  output voltage adjustable  output voltage adjustable  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	voltage curve at output	Controlled, isolated DC voltage	
output voltage  ● at output 1 at DC rated value  24 V  output voltage adjustable  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	number of outputs	1	
● at output 1 at DC rated value  24 V  output voltage adjustable  Yes; via display and IO-Link interface  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	output voltage at DC rated value	24 V	
output voltage adjustable  Yes; via display and IO-Link interface  adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	output voltage		
adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	at output 1 at DC rated value	24 V	
adjustable output voltage  22 28 V; Derating > 24 V: max. 960 W power output (1152 W to 45°C)  relative overall tolerance of the voltage  relative control precision of the output voltage	output voltage adjustable	Yes; via display and IO-Link interface	
relative overall tolerance of the voltage 3 % relative control precision of the output voltage			
relative control precision of the output voltage			
	<del>-</del>		
	·	0.2 %	

on slow fluctuation of ohm loading	0.2 %	
on slow fluctuation of ohm loading  residual ripple	0.2 /0	
maximum	20 mV	
	20 1110	
voltage peak	100 \	
• maximum	100 mV	
display version for normal operation	display and 3-color LED for operating, fault and communication status	
type of signal at output	relay contact (NO contact, contact rating DC 30 V/0.1 A) for "24 V O.K."; configurable via IO-Link	
behavior of the output voltage when switching on	No overshoot of Vout (soft start)	
response delay maximum	0.5 s	
voltage increase time of the output voltage	- 0.00	
• typical	50 ms	
• maximum	50 ms	
output current		
• rated value	40 A	
• per output	40 A	
at output 1 rated value	40 A	
• rated range	0 40 A; 48 A up to 45 °C; +60 +70 °C: derating 3.75%/K	
supplied active power typical	960 W	
short-term overload current		
at short-circuit during operation typical	120 A	
duration of overloading capability for excess current		
at short-circuit during operation	25 ms	
constant overload current		
at short-circuit during operation typical	48 A	
bridging of equipment	Yes; active load distribution via control contact or inclined output characteristic	
number of parallel quitabed equipment resources for increasing	can be selected via display and IO-Link 2	
number of parallel-switched equipment resources for increasing the power	2	
efficiency		
efficiency in percent	96 %	
power loss [W]		
at rated output voltage for rated value of the output current typical	38 W	
<ul> <li>during no-load operation maximum</li> </ul>	5 W	
closed-loop control		
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	1 %	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %	
setting time		
maximum	3 ms	
protection and monitoring		
design of the overvoltage protection	max. 32 V	
design of the overvoltage protection property of the output short-circuit proof	max. 32 V Yes	
<u> </u>	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link)	
property of the output short-circuit proof	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A	
property of the output short-circuit proof design of short-circuit protection	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link)	
property of the output short-circuit proof design of short-circuit protection response value current limitation	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A	
property of the output short-circuit proof design of short-circuit protection response value current limitation design of the current limitation	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation enduring short circuit current RMS value	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation enduring short circuit current RMS value  • maximum	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation enduring short circuit current RMS value  • maximum  • typical	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A 48 A	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation enduring short circuit current RMS value  • maximum  • typical display version for overload and short circuit	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A 48 A display and 3-color LED for operating status	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation enduring short circuit current RMS value  • maximum  • typical display version for overload and short circuit design of the reset device/resetting mechanism	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A 48 A display and 3-color LED for operating status	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A 48 A display and 3-color LED for operating status via display and IO-Link	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability	Yes  constant current characteristic or latching shutdown (selectable via display and IO-Link)  30 49 A  adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A  48 A  display and 3-color LED for operating status  via display and IO-Link  Yes	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A 48 A display and 3-color LED for operating status via display and IO-Link  Yes	
property of the output short-circuit proof design of short-circuit protection  response value current limitation design of the current limitation overcurrent overload capability  • in normal operation enduring short circuit current RMS value  • maximum  • typical display version for overload and short circuit design of the reset device/resetting mechanism interfaces product function communication function design of the interface protocol is supported	Yes constant current characteristic or latching shutdown (selectable via display and IO-Link) 30 49 A adjustable via display and IO-Link  150 % laRated up to 5 s/min (configurable via display and IO-Link)  56 A 48 A display and 3-color LED for operating status via display and IO-Link  Yes IO-Link	

number of IO-Link ports	1		
point-to-point cycle time between master and IO-Link device minimum	10 ms		
data volume of the address range of the outputs with cyclical transfer for all IO-Link ports maximum	3 byte		
data volume of the address range of the inputs with cyclical transfer for all IO-Link ports maximum	13 byte		
protocol between master and IO-Link device Version 1.1	Yes		
safety			
galvanic isolation between input and output	Yes		
galvanic isolation	Safety extra low output voltage Vout according to EN 61204-7		
operating resource protection class	Class I		
leakage current			
• maximum	3.5 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 61000-6-2		
standards, specifications, approvals			
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. 62368-1, UL 62368-1)		
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)		
UKCA marking	Yes		
EAC approval	Yes		
Regulatory Compliance Mark (RCM)	Yes		
• NEC Class 2	No		
• SEMI F47	Yes		
type of certification	100		
• BIS	Yes; in preparation		
CB-certificate	Yes		
MTBF at 40 °C	340 000 h		
standards, specifications, approvals hazardous environments	010 000 11		
certificate of suitability			
IECEx	No		
• ATEX	No		
	No		
ULhazloc approval     CSAve Class 4 Birdsian 2			
• cCSAus, Class 1, Division 2	No No		
UKEX     CCC for homorodous zone according to CR standard	No No		
CCC for hazardous zone according to GB standard     TAA resistantian.	No No		
FM registration	No		
standards, specifications, approvals marine classification			
shipbuilding approval	No		
Marine classification association			
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No		
<ul> <li>French marine classification society (BV)</li> </ul>	No		
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No		
Lloyds Register of Shipping (LRS)	No		
ambient conditions			
ambient temperature			
during operation	-40 +70; with natural convection		
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-type terminals and push-in terminals		
• at input	L1, L2, L3, PE: 1 screw terminal each for 0.2 4 mm² single-core/finely		
•	stranded		

• at output	+1, +2, -1, -2, -3: 1 screw terminal each for 0.5 16 mm² solid/finely stranded (10 mm² with ferrule)		
<ul> <li>for auxiliary contacts</li> </ul>	PAR SYNC OUT/IN: 1 push-in terminal each for 0.2 1.5 mm²		
for signaling contact	13, 14: 1 push-in terminal each for 0.2 1.5 mm <sup>2</sup>		
removable terminal at input	No		
removable terminal at output	No		
design of the interface for communication	L+, C/Q, L- (IO-Link): 1 push-in terminal each for 0.2 1.5 mm²		
mechanical data			
width × height × depth of the enclosure	99 × 145 × 125 mm		
installation width × mounting height	99 mm × 225 mm		
required spacing			
• top	40 mm		
• bottom	40 mm		
• left	0 mm		
• right	0 mm		
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15		
<ul> <li>standard rail mounting</li> </ul>	Yes		
S7 rail mounting	No		
wall mounting	No		
housing can be lined up	Yes		
net weight	1.9 kg		
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://www.siemens.com/tstcloud		
<ul> <li>to website: CAx-Download-Manager</li> </ul>	https://siemens.com/cax		
• to website: Industry Online Support	https://support.industry.siemens.com		
additional information			

otherwise specified)

security information

other 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)

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

### 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

# Approvals Certificates

# **General Product Approval**

Manufacturer Declaration









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