6EP3437-8MB00-2CY0

Data sheet



SITOP PSU8600/3AC/24VDC/40A/4X10A PN

SITOP PSU8600 3AC 40 A/4x10 A PN stabilized power supply input: 400-500 V 3 AC output: 24 V DC/40 A/4x 10 A with PN/IE connection web server integrated OPC UA server integrated *Ex approval no longer available*

type of the power supply network 3-phase AC supply voltage at AC 400 V • minimum rated value 500 V • initial value 500 V • full-scale value 575 V design of input wide range input 755 V operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch buffering time for rated value of the output current in the event of power failure minimum 15 ms operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch line frequency 1 rated value 50 Hz • 2 rated value 60 Hz line frequency 47 63 Hz input current 60 Hz 2 trated input voltage 400 V 2.75 A • at rated input voltage 400 V 2.2 A 2 trated input voltage 400 V 2.2 A • In the feeder Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output 4 output voltage at DC ra	Input	
• minimum rated value • maximum rated value • initial value • full-scale value • full-sca	type of the power supply network	3-phase AC
maximum rated value initial value initial value full-scale value design of input wide range input yes operating condition of the mains buffering buffering time for rated value of the output current in the event of power failure selectable via DIP switch for failure minimum operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch 15 ms carrent gline frequency 11 rated value 21 rated value 22 rated value 30 Hz 10 rated input voltage 400 V 2.75 A 31 rated input voltage 400 V 31 rated input voltage 400 V 31 rated input voltage 400 V 32 rated value 32 value maximum 2.24 A ² s fuse protection type 1 in the feeder onone 1 in the feeder output voltage 400 V 1 rated value 22 value maximum 2.24 A ² s fuse protection type 2 on solve place at 0 to uptu 1 voltage curve at output 1 voltage curve at output 4 at output voltage 4 at output 1 at DC rated value 24 V 31 output voltage 4 3 value maximum 24 V 32 value maximum 34 value maximum 35 value value 36 value 37 value value 38 value 39 value 30 value 30 value 30 value 30 value 31 value 32 value 33 value 34 value 34 value 34 output 3 at DC rated value 34 value 34 output 2 at DC rated value 34 value 34 output 3 at DC rated value 34 value 34 output 3 at DC rated value 36 value 37 value 38 value 39 value 30	supply voltage at AC	
• Initial value • full-scale value • full-scale value design of input wide range input Operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch buffering time for rated value of the output current in the event of power failure minimum Operating condition of the mains buffering operating condition of the mains buffering 15 ms 15 ms 15 ms Operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch Iline frequency 1 rated value 50 Hz 2 rated value 60 Hz Ine frequency 1 rated input voltage 400 V 2.75 A 2.2 A current limitation of inrush current at 25 °C maximum 14 A Etz value maximum 2.24 A*s fuse protection type 1 in the feeder Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage 1 at output 1 at DC rated value 24 V 24 output 3 at DC rated value 24 V 24 V 24 output 3 at DC rated value 24 V 24 V 24 output 3 at DC rated value 24 V 24 V 26 at output 3 at DC rated value 24 V 26 relative overall tolerance of the voltage 1 relative control precision of the output voltage 0 on slow fluctuation of input voltage 0 on slow fluctuation of hon loading 0 1%	minimum rated value	400 V
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design of input wide range input Operating condition of the mains buffering 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; Prioritized supply of Output 1 in case of power failure selectable via DIP switch 15 ms at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch 16 merequency 17 mated value 18 of Hz 19 trated value 19 trated value 10 Hz 10 H	• initial value	320 V; Derating 320 360 and 530 575 V
operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch 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; Prioritized supply of Output 1 in case of power failure selectable via DIP switch in the frequency 1 rated value 2 rated value 60 Hz line frequency 1 rated input voltage 400 V 2 rated value 1 at rated input voltage 500 V 2 rated value maximum 2 rated input voltage 500 V 2 rated value maximum 2 rated input voltage 500 V 2 rated value maximum 3 rated input voltage 500 V 4 rated input voltage 500 V 5 rated value rated input voltage 7 rated value rated input voltage 8 rated voltput 3 rated input voltage 4 V 5 rated value 24 V 6 rated value 24 V 6 rated value 24 V 7 rated value 07 ra	full-scale value	575 V
buffering time for rated value of the output current in the event of power failure minimum operating condition of the mains buffering iline frequency 1 rated value 2 rated value 2 rated value 3 oh Hz 1 ine frequency 1 rated input voltage 400 V 2 rated input voltage 400 V 2 rated input voltage 500 V 2 rated input voltage 400 V 3 rated input voltage 500 V 4 rated input voltage 500 V 2 rated input voltage 500 V 2 rated value 3 rated input voltage 500 V 2 rated value 4 rated input voltage 7 rated value 5 rated input voltage 7 rated value 6 rated value 7 voltage curve at output 7 voltage curve at output 8 voltage at DC rated value 9 rat output 1 at DC rated value 9 rat output 2 at DC rated value 9 rat output 2 at DC rated value 9 rat output 2 at DC rated value 9 rat output 3 at DC rated value 9 rat output 4 at DC rated value 9 rat	design of input wide range input	Yes
power failure minimum operating condition of the mains buffering at Vin = 400 V; Prioritized supply of Output 1 in case of power failure selectable via DIP switch line frequency 1 rated value 2 rated value 60 Hz line frequency 47 63 Hz input current 4 at rated input voltage 400 V 2.75 A 4 at rated input voltage 500 V 2.2 A current limitation of inrush current at 25 °C maximum 12t value maximum 2.24 A²-s fuse protection type 1 in the feeder 1 in the feeder 1 controlled, isolated DC voltage 1 output voltage at DC rated value 2 4 V 4 at output 1 at DC rated value 2 4 V 4 at output 1 at DC rated value 2 4 V 2 4 V 2 4 V 2 et output Noltage 2 at output 1 at DC rated value 2 4 V 2 at output 4 at DC rated value 2 4 V 2 et output Ago Tated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 2 4 V 2 et output 1 at DC rated value 3 % 2 relative control precision of the output voltage 6 on slow fluctuation of input voltage 6 on slow fluctuation of hom loading 7 controlled input voltage 6 on slow fluctuation of ohm loading 7 controlled input voltage 7 controlled input voltage 8 controlled input voltage 9 con slow fluctuation of ohm loading 9 controlled input voltage 9 con slow fluctuation of ohm loading 9 controlled input voltage 9 con slow fluctuation of ohm loading 9 controlled input voltage 9 con slow fluctuation of ohm loading 9 controlled input voltage 9 con slow fluctuation of ohm loading 9 controlled input voltage 9 controlled input voltage 9 controlled input voltage 9 con slow fluctuation of ohm loading 9 controlled input voltage 9 con	operating condition of the mains buffering	
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• 1 rated value • 2 rated value 60 Hz line frequency 47 63 Hz input current • at rated input voltage 400 V 2.75 A • at rated input voltage 500 V 2.2 A current limitation of inrush current at 25 °C maximum 14 A 12t value maximum 2.24 A²-s fuse protection type • in the feeder or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output voltage curve at output coutput voltage at DC rated value 0utput voltage • at output 1 at DC rated value 24 V • at output 2 at DC rated value 24 V • at output 2 at DC rated value 24 V • at output 3 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 at DC rated value 24 V • at output 4 or DC rated value 24 V • at output 4 or DC rated value 24 V • at output 4 or DC rated value 24 V • at output 4 or DC rated value 25 V • on slow fluctuation of input voltage • on slow fluctuation of ohm loading 0.1 % residual ripple	operating condition of the mains buffering	
• 2 rated value line frequency 47 63 Hz input current • at rated input voltage 400 V 2.75 A • at rated input voltage 500 V 2.2 A current limitation of inrush current at 25 °C maximum 14 A [2t value maximum 2.24 A²-s fuse protection type • in the feeder none Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output voltage curve at output voltage curve at output output voltage at DC rated value • at output 1 at DC rated value • at output 2 at DC rated value • at output 3 at DC rated value • at output 5 and 5 an	line frequency	
line frequency input current • at rated input voltage 400 V • at rated input voltage 500 V 2.75 A • at rated input voltage 500 V 2.2 A current limitation of inrush current at 25 °C maximum 14 A 12t value maximum 2.24 A² s fuse protection type • in the feeder none Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output Controlled, isolated DC voltage number of outputs 0utput voltage at DC rated value • at output 1 at DC rated value • at output 1 at DC rated value • at output 2 at DC rated value • at output 3 at DC rated value • at output 4 at DC rated value • at output 5 at DC rated value • at output 6 at DC rated value • at output 7 at DC rated value • at output 7 at DC rated value • at output 8 at DC rated value • at output 9 at DC rated value • at output 9 at DC rated value • at output 9 at DC rated value • at output 1 of DC rated value • at output 9 at DC rated value • at output 1 of DC rated value • at output 1 of DC rated value • at output 4 at DC rated value • at output 5 at DC rated value • at output 6 at DC rated value • at output 7 at DC rated value • at output 6 at DC rated value • at output 7 at DC rated value • at output 6 at DC rated value • at output 7 at DC rated value • at output 6 at DC rated value • at output 6 at DC rated value • at output 6 at DC rated value • at output 7 at DC rated value • at output 1 at DC rated value • at	• 1 rated value	50 Hz
input current • at rated input voltage 400 V • at rated input voltage 500 V 2.2 A current limitation of inrush current at 25 °C maximum 14 A 12t value maximum 2.24 A²-s fuse protection type • in the feeder none • in the feeder voltage curve at output voltage curve at output cutput voltage at DC rated value • at output 1 at DC rated value • at output 1 at DC rated value • at output 2 at DC rated value • at output 3 at DC rated value • at output 4 at DC rated value • at output 1 of rated value • at output 2 of rated value • at output 3 at DC rated value • at output 5 of rated value • at output 6 of rated value • at output 7 of rated value • at output 8 of rated value • at output 9 of rated value • at output 9 of rated value • at output 10 of rated value • at output 10 of rated value • at output 10 of rated value • at output 20 of rated value • at output 3 of rated value • at output 4 at DC rated value • at output 5 of rated value • at output 6 of rated value • at output 6 of rated value • at output 7 of rated value • at output 8 of rated value • at output 9 of rated value • at output 10	2 rated value	60 Hz
 at rated input voltage 400 V at rated input voltage 500 V 2.2 A current limitation of inrush current at 25 °C maximum 14 A 12t value maximum 2.24 A²-s fuse protection type in the feeder recitative curve at output output voltage curve at output output voltage at DC rated value at output 1 at DC rated value at output 1 at DC rated value at output 2 at DC rated value at output 2 at DC rated value at output 3 at DC rated value at output 4 at DC rated value at output 5 at DC rated value at output 6 at DC rated value at output 7 at DC rated value at output 6 at DC rated value at output 7 at DC rated value at output 6 at DC rated value at output 7 at DC rated value at output 6 at DC rated value at output 7 at DC rated value at output 6 at DC rated value at output 7 at DC rated value at output 7 at DC rated value at output 8 at DC rated value at output 9 at DC rated value at output 1 at DC rated value at output 1 at DC rated value at output 3 at DC rated value at output 3 at DC rated value at output 6 at DC rated value at output 7 at DC rated value at output 7 at DC rated value at output 8 at DC rated value at output 9 at	line frequency	47 63 Hz
 at rated input voltage 500 V current limitation of inrush current at 25 °C maximum 14 A l2t value maximum 2.24 A²-s fuse protection type	input current	
current limitation of inrush current at 25 °C maximum 12t value maximum 2.24 A²·s fuse protection type in the feeder Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output Controlled, isolated DC voltage number of outputs 4 output voltage at DC rated value output voltage at output 1 at DC rated value at output 2 at DC rated value at output 2 at DC rated value at output 3 at DC rated value at output 3 at DC rated value at output 4 at DC rated value at output 5 at OC rated value 24 ∨ relative overall tolerance of the voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	 at rated input voltage 400 V 	2.75 A
12t value maximum 2.24 A²-s fuse protection type	at rated input voltage 500 V	2.2 A
fuse protection type in the feeder Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output controlled, isolated DC voltage number of outputs 4 output voltage at DC rated value e at output 1 at DC rated value e at output 2 at DC rated value e at output 2 at DC rated value e at output 3 at DC rated value e at output 4 at DC rated value e at output 9 a	current limitation of inrush current at 25 °C maximum	14 A
e in the feeder Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output Voltage curve at output Controlled, isolated DC voltage number of outputs 4 output voltage at DC rated value e at output 1 at DC rated value at output 2 at DC rated value at output 2 at DC rated value at output 3 at DC rated value at output 4 at DC rated value on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	I2t value maximum	2.24 A²-s
or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489) Output voltage curve at output Controlled, isolated DC voltage number of outputs 4 output voltage at DC rated value 24 V output voltage • at output 1 at DC rated value 24 V • at output 2 at DC rated value 24 V • at output 3 at DC rated value 24 V • at output 4 at DC rated value 24 V relative overall tolerance of the voltage 3 % relative control precision of the output voltage • on slow fluctuation of input voltage 0.2 % • on slow fluctuation of ohm loading 0.1 % residual ripple	fuse protection type	none
voltage curve at output number of outputs output voltage at DC rated value output voltage • at output 1 at DC rated value • at output 2 at DC rated value • at output 3 at DC rated value • at output 4 at DC rated value • at output 5 at DC rated value • at output 6 at DC rated value • at output 7 at DC rated value • at output 8 at DC rated value • at output 9 at DC rated value • at output 1 at DC rated value 24 V relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	• in the feeder	
number of outputs output voltage at DC rated value output voltage • at output 1 at DC rated value • at output 2 at DC rated value • at output 3 at DC rated value • at output 4 at DC rated value • at output 4 output 2 at DC rated value • at output 5 at DC rated value • at output 6 at DC rated value 24 V relative overall tolerance of the voltage relative control precision of the output voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	Output	
output voltage at DC rated value 24 V output voltage • at output 1 at DC rated value 24 V • at output 2 at DC rated value 24 V • at output 3 at DC rated value 24 V • at output 4 at DC rated value 24 V relative overall tolerance of the voltage 3 % relative control precision of the output voltage • on slow fluctuation of input voltage 0.2 % • on slow fluctuation of ohm loading 0.1 % residual ripple	voltage curve at output	Controlled, isolated DC voltage
output voltage • at output 1 at DC rated value • at output 2 at DC rated value • at output 3 at DC rated value • at output 4 at DC rated value • at output 4 at DC rated value relative overall tolerance of the voltage • on slow fluctuation of input voltage • on slow fluctuation of ohm loading residual ripple	number of outputs	4
 at output 1 at DC rated value at output 2 at DC rated value at output 3 at DC rated value at output 4 at DC rated value at output 4 at DC rated value relative overall tolerance of the voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple 	output voltage at DC rated value	24 V
 at output 2 at DC rated value at output 3 at DC rated value at output 4 at DC rated value 24 V relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple 	output voltage	
at output 3 at DC rated value at output 4 at DC rated value 24 V relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	at output 1 at DC rated value	24 V
 at output 4 at DC rated value relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple 	at output 2 at DC rated value	24 V
relative overall tolerance of the voltage relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	at output 3 at DC rated value	24 V
relative control precision of the output voltage on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple	at output 4 at DC rated value	24 V
 on slow fluctuation of input voltage on slow fluctuation of ohm loading residual ripple 	relative overall tolerance of the voltage	3 %
on slow fluctuation of ohm loading residual ripple	relative control precision of the output voltage	
residual ripple	on slow fluctuation of input voltage	0.2 %
residual ripple	on slow fluctuation of ohm loading	0.1 %
	_	
		100 mV

voltage peak	
maximum	200 mV
adjustable output voltage	4 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer or IE/PN interface; Derating > 24 V: 4%/V; max. 240 W per output, max. 960 W overall system
display version for normal operation	3-color LED for operating state device; LED for operating mode manual/remote; 4 LEDs for communication PROFINET; 3-color LED per output for operating state output; LED green for parallel operation Output 1 and 2 / 3 and 4
type of signal at output	Relay contact (changeover contact, contact current capacity DC 60 V/0.3 A) for "Operating state OK"
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	1 s; Without on-delay of the outputs
type of outputs connection	Simultaneous connecting-in of all outputs after device booting or delay time of 25 ms, 100 ms or "load-optimized" for sequential cutting-in of the outputs via DIP switches can be set
voltage increase time of the output voltage	
maximum	500 ms
output current	
rated value	40 A
• per output	10 A
at output 1 rated value	10 A
at output 2 rated value	10 A
at output 3 rated value	10 A
at output 4 rated value	10 A
• rated range	0 40 A; +50 +60 °C: Derating 2.5%/K; no derating in connection with expansion module CNX8600 and total load of the outputs at the basic device max. 480 W
supplied active power typical	960 W
product feature	
parallel switching of outputs	Yes; Parallel circuit Output 1 with 2 or Output 3 with 4 can be selected via DIP switch
 bridging of equipment 	No
Efficiency	
efficiency in percent	93 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	72 W
during no-load operation maximum	20 W
Closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.1 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	0.4 %
setting time	
• maximum	10 ms
Protection and monitoring	
design of the overvoltage protection	max. 35 V (max. 500 ms)
property of the output short-circuit proof	Yes
design of short-circuit protection	electronic overload cut-off; optionally constant current operation can be selected for Output 4 via DIP switches
adjustable current response value current of the current- dependent overload release	0.5 10 A
type of response value setting	via potentiometer or IE/PN interface
switching characteristic	
• of the excess current	la >1.0<1.5 x la threshold permissible for 5 s; la limit (= 1.5 x la threshold) permissible for 200 ms
of the current limitation	la limit (= 1.5 x la threshold) permissible for 5 s, afterwards la threshold continuous
design of the reset device/resetting mechanism	via sensor per output or IE/PN interface
remote reset function	Non-electrically isolated 24 V input (signal level "high" at > 15 V)
overcurrent overload capability in normal operation	Total system overloadable 150% la rated to 5 s/min
display version for overload and short circuit	
display version for overload and short discut	3-color LED for operating state device; 3-color LED per output for operating state output
Interface	
· ·	

PROFINET protocol	Yes
protocol is supported OPC UA	Yes
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
protection class IP	IP20
Approvals	II 20
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	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• IECEx	No
NEC Class 2	No
ULhazloc approval	No
FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
EAC approval	Yes
• C-Tick	No
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	7,55,577 62
American Bureau of Shipping Europe Ltd. (ABS)	Yes
French marine classification society (BV)	No
DNV GL	Yes
Lloyds Register of Shipping (LRS)Nippon Kaiji Kyokai (NK)	No No
EMC	No
standard	EN 55000 Ol D
• for emitted interference	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2
for interference immunity	EN 61000-6-2
environmental conditions	
ambient temperature	
during operation	-25 +60 °C; with natural convection
during transport	-40 +85 °C
during storage	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	Plug-in terminals with screwed connection
• at input	L1, L2, L3, PE: Plug-in terminal with 1 screwed connection each for 0.2 4 mm² single-wire / fine stranded
at output	1, 2, 3, 4: Two plug-in terminals (1, 2 and 3, 4) with 2 screwed connections each for 0.2 2.5 mm²; 0 V: Plug-in terminal with 3 screwed connections for 0.2 10 mm²
for auxiliary contacts	RST (Reset): Plug-in terminal (together with alarm signal) with 1 screwed connection for 0.2 1.5 mm²
for signaling contact	11, 12, 14 (alarm signal): Plug-in terminal (together with Reset) with 1 screwed connection each for 0.2 1.5 mm²
product function	
 removable terminal at input 	Yes
removable terminal at output	Yes
design of the interface for communication	PROFINET/Ethernet: two RJ45 sockets (2-port switch)
suitability for interaction modular system	Yes

width of the enclosure	125 mm
height of the enclosure	125 mm
depth of the enclosure	150 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
net weight	2.6 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x15
electrical accessories	Expansion modules CNX8600, buffer modules BUF8600, module UPS8600
mechanical accessories	Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20
MTBF at 40 °C	207 612 h
other information	Specifications at rated input voltage and ambient temperature +25 $^{\circ}\text{C}$ (unless otherwise specified)

