## SIEMENS

## Data sheet

## 6EP1961-2BA00



SITOP SELECT/diagnosis module/4X2-10A

SITOP select diagnostics module 4-channel input: 24 V DC/40 A output: 24 V DC/4x 10 A threshold adjustable 2-10 A

input			
type of the power supply network	Controlled DC voltage (SITOP select is not designed for operation with DC UPS module 40 A (6EP1 931-2FC21/-2FC42)		
supply voltage at DC rated value	24 V		
input voltage at DC	22 30 V		
overvoltage overload capability	35 V; 100 ms		
input current at rated input voltage 24 V rated value	40 A		
output			
voltage curve at output	controlled DC voltage		
formula for output voltage	Vin - approx. 0.3 V		
relative overall tolerance of the voltage note	In accordance with the supplying input voltage		
number of outputs	4		
output current up to 60 °C per output rated value	10 A		
adjustable current response value current of the current- dependent overload release	2 10 A		
type of response value setting	via potentiometer		
response delay maximum	5 s		
product feature parallel switching of outputs	No		
type of outputs connection	Simultaneous connection of all outputs after power up of the supply voltage, delay time of 24 ms or 100 ms programmable for sequential connection		
efficiency			
efficiency in percent	97 %		
power loss [W] at rated output voltage for rated value of the output current typical	30 W		
switch-off characteristic			
switching characteristic			
of the excess current	lout = 1.01.3 x set value, switch-off after approx. 5 s		
<ul> <li>of the current limitation</li> </ul>	lout = 1.3 x set value, switch-off after approx. 50 100 ms		
<ul> <li>of the immediate switch-off</li> </ul>	lout > set value and Vin < 20 V, switch-off after approx. 0.5 ms		
residual current at switch-off typical	20 mA		
design of the reset device/resetting mechanism	Using keys on the module		
remote reset function	- ·		
protection and monitoring			
fuse protection type at input	Blade-type fuse per output (equipped when delivered with 15 A fuse)		
display version for normal operation	Two-color LED per output: green LED for "Output switched through"; red LED for "Output switched off due to overcurrent"		
design of the switching contact for signaling function			
design of the switching contact for signaling function	Common signal contact (NO contact, rating 0.5 A/24 V DC)		
safety	Common signal contact (NO contact, rating 0.5 A/24 V DC)		
	Common signal contact (NO contact, rating 0.5 A/24 V DC)		
safety			

protection class IP	 IP20
standard	
for emitted interference	EN 55022 Class B
<ul> <li>for interference immunity</li> </ul>	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; UL-Recognized (UL 2367) File E328600; cULus-Listed (UL 508, CSA
	C22.2 No. 107.1) File E197259
EAC approval	Yes
type of certification	
CB-certificate	Yes
MTBF at 40 °C	616 675 h
standards, specifications, approvals hazardous environments	
certificate of suitability	Ne
• IECEx • ATEX	No
• ATEX standards, specifications, approvals marine classification	No
	No
shipbuilding approval ambient conditions	No
ambient temperature	0 60; with natural convection
<ul> <li>during operation</li> <li>during transport</li> </ul>	-40 +85
during transport     during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
type of electrical connection	screw terminal
• at input	+24 V: 2 screw terminals for 0.5 16 mm <sup>2</sup> ; 0 V: 2 screw terminals for 0.5 4 mm <sup>2</sup>
• at output	Output 1 4: 1 screw terminal each for 0.22 4 mm <sup>2</sup>
<ul> <li>for auxiliary contacts</li> </ul>	-
for signaling contact	2 screw terminals for 0.22 4 mm <sup>2</sup>
mechanical data	
width × height × depth of the enclosure	72 × 90 × 90 mm
installation width × mounting height	72 mm × 190 mm
required spacing	
• top	50 mm
bottom	50 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	0.4 kg
accessories	
product component included	4x blade-type fuse 15 A
further information internet links	
internet link	
• to website: Industry Mall	https://mall.industry.siemens.com
to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
to website: CAx-Download-Manager	https://siemens.com/cax
• to website: Industry Online Support	https://support.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,

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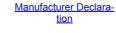
Classifications			
		Version	Classification
	eClass	14	27-37-18-02
	eClass	12	27-37-18-02
	eClass	9.1	27-37-18-02
	eClass	9	27-37-18-02
	eClass	8	27-37-18-02
	eClass	7.1	27-37-18-02
	eClass	6	27-37-18-02
	ETIM	9	EC001440
	ETIM	8	EC001440
	ETIM	7	EC001440
	IDEA	4	4727
	UNSPSC	15	39-12-15-21

Approvals Certificates

## **General Product Approval**







Declaration of Conformity



UK CA

General Product Approval





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