



SITOP SELECT 4-CHANNEL DIAGNOSIS MODULE INPUT:
24 V DC OUTPUT: 24 V DC/10 A PER CHANNEL OUTPUT
CURRENT ADJUSTABLE 2-10 A

Technical specifications

Product	SITOP select
Power supply, type	Diagnosis module, 4 x 10 A
Input	
Input	Controlled DC voltage (SITOP select is not designed for operation with DC UPS module 40 A (6EP1 931-2FC21/-2FC42))
Supply voltage / for DC / rated value	24 V
Input voltage	
• at DC	22 ... 30 V
Oversvoltage resistance	35 V; 100 ms
Input current / at nominal level of the input voltage 24 V / nominal value	40 A
Output	
Output	controlled DC voltage
Output voltage	V _{in} - approx. 0.3 V
Total tolerance	In accordance with the supplying input voltage
Number of channels / secondary side	4
Output current / at 60 °C / per channel / rated value	10 A
Adjustable output current	2 ... 10 A
Output voltage setting	via potentiometer
Product feature / Bridging of channels	No

Type of channel connection	Simultaneous connection of all channels after power up of the supply voltage, delay time of 24 ms or 100 ms programmable for sequential connection
Efficiency	
Efficiency at V_{out} rated, I_{out} rated, approx.	97 %
Power loss at V_{out} rated, I_{out} rated, approx.	30 W
Switch-off characteristic per channel	
Overcurrent switch-off	$I_{out} = 1.0 \dots 1.3 \times \text{set value}$, switch-off after approx. 5 s
Current limitation	$I_{out} = 1.3 \times \text{set value}$, switch-off after approx. 50 ... 100 ms
Immediate switch-off	$I_{out} > \text{set value}$ and $V_{in} < 20 \text{ V}$, switch-off after approx. 0.5 ms
Residual current at switch-off	20 mA
Reset	Using keys on the module
Remote reset	-
Protection and monitoring	
Device/Line protection	blade-type fuse per channel (equipped with 15 A fuse in as-delivered state)
Status display	Two-color LED per channel: green LED for "Output switched through"; red LED for "Output switched off due to overcurrent"
Signaling	Common signal contact (NO contact, rating 0.5 A/24 V DC)
Safety	
Standard / for security	according to EN 60950-1 and EN 50178
Protection class	Class III
CE mark	Yes
Degree of protection (EN 60529)	IP20
UL/cUL (CSA) approval	UL-Recognized (UL 2367) File E328600; cURus (UL 508, CSA C22.2 No. 107.1) File E197259; cURus (UL 60950, CSA C22.2 No. 60950) File E151273
Standard / for explosion protection	ATEX (EN 60079-x); cCSAus (CSA E60079-x, UL 60079-x, UL 1604)
Explosion protection	ATEX (EX) II 3G Ex nAC IIC T4 U; cCSAus Class I, Div. 2, Group ABCD, T4
EMC	
Emitted interference	EN 55022 Class B
Noise immunity	EN 61000-6-2
Operating data	
Ambient temperature	
• in operation	0 ... 60 °C
• Note	with natural convection
Ambient temperature	
• on transport	-40 ... +85 °C
• in storage	-40 ... +85 °C
Humidity class according to EN 60721	Climate class 3K3, no condensation

Mechanics	
Connection technology	screw-type terminals
Design of the electrical connection	<ul style="list-style-type: none"> • at the input +24 V: 2 screw terminals for 0.33 ... 10 mm²; 0 V: 2 screw terminals for 0.22 ... 4 mm² • secondary side Output 1 ... 4: 1 screw terminal each for 0.22 ... 4 mm² • for signaling contact 2 screw terminals for 0.22 ... 4 mm² • for auxiliary contact -
Width / of the housing	72 mm
Height / of the housing	90 mm
Depth / of the housing	90 mm
Installation width	72 mm
Mounting height	190 mm
Net weight	0.4 kg
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
Product component / belonging to	4x blade-type fuse 15 A
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

letzte Änderung:

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