

**Modular PSUs - DIN Rail Mount - continued**

**TCL Series, 24-120 Watt - continued**

Wattage	Output Voltage	Output Current	Dimensions (WxHxD)	Mfrs. List No.	Order Code
60W	24V (24-28)	2.5A	45x75x100	TCL 060-124.	417-3995
60W	24V (24-28)	2.5A	45x75x100	TCL 060-124C.	419-1043
120W	12V (12-15)	8.0A	85x75x100	TCL 120-112.	473-1438
120W	12V (12-15)	8.0A	85x75x100	TCL 120-112C.	473-1440
120W	24V (24-28)	5A	85x75x100	TCL 120-124.	417-4010
120W	24V (24-28)	5A	85x75x100	TCL 120-124C.	421-3890

**DC Input**  
 24W 24.0V dc (24-28) 1A 27.0x75.0x100.0 TCL 024-124DC. 820-5507  
 C = models with cage clamps

- Remote ON/OFF control signal for basic device
- Dimensions (WxHxD): 26x125x116mm, Weight = approx 0.15kg

**Redundancy module**

- Add-on module for decoupling, with volt free signalling contact
- Parallel connection to output of basic devices 5 A, 10 A, 20 A or 40 A
- Optimised for redundant operation mode of two similar psu-units
- Buffering of power outages 100 ms at 40 A, 800 ms at 5 A
- Dimensions (WxHxD): 70x125x125mm Weight = approx 1.0kg

Output	24V / 5A	24V / 10A	24V / 20A	24V / 40A
Mfrs. List No.	6EP1333-3BA00	6EP1334-3BA00	6EP1336-3BA00	6EP1337-3BA00
Rated input voltage	AC 120/230-500 V		AC 120/230 V	
Voltage range	AC 85...132/176...550 V		AC 85...132/187...264 V	
Buffering of power outages	> 25ms (at 120/230 V)		> 20ms (at 230 V)	
Frequency	50/60 Hz		50/60 Hz	
Input current	2.2/1.2-0.61A	4.4/2.4-1.1A	7.7/3.5 A	15/8 A
Rated output voltage	DC 24V		DC 24V	
Tolerance	±3%		±3%	
Setting range	24...28.8V		24...28.8V	
Output current	5A	10A	20A	40A
Parallel connection	Yes		Yes	
Galvanic isolation	Yes, SELV (EN 60950, EN50178)		Yes, SELV (EN 60950, EN50178)	
Ambient temperature	0°C to 60°C		0°C to 60°C	
Dimensions (WxHxD)	70x125x125	90x125x125	160x125x125	240x125x125
Weight	1.2kg	1.4kg	2.2kg	2.9kg

Output	24V / 20A	24V / 40A
Mfrs. List No.	6EP1436-3BA00	6EP1437-3BA00
Rated input voltage	3AC 400-500 V	
Voltage range	3AC 340...550 V	
Buffering of power outages	> 6 ms at 400V	
Frequency	50/60 Hz	
Input current	1.1 A (at 400V)	2.2 A (at 400V)
Rated output voltage	DC 24V	
Tolerance	±3%	
Setting range	24...28.8V	
Output current	20A	40A
Parallel connection	Yes	
Galvanic isolation	Yes, SELV (EN 60950, EN50178)	
Ambient temperature	0°C to 60°C	
Dimensions (WxHxD)	160x125x125	240x125x125
Weight	2.0kg	3.2kg

Output	Mfrs. List No.	Order Code	1+	3+	5+
24V / 5A	6EP1333-3BA00.	421-4950	11,691.00	10,547.00	10,180.00
24V / 10A	6EP1334-3BA00.	421-4961	16,969.00	15,252.00	13,806.00
24V / 20A	6EP1336-3BA00.	877-9457	18,903.00	18,317.00	17,771.00
24V / 40A	6EP1337-3BA00.	877-9465	31,571.00	30,460.00	29,493.00
24V / 20A	6EP1436-3BA00.	391-5153	14,604.00	--	--
24V / 40A	6EP1437-3BA00.	391-5165	27,628.00	26,385.00	--
Signalling Module	6EP1961-3BA10	391-5189	4,620.00	4,412.00	--
Redundancy Module	6EP1961-3BA20.	877-9473	7,340.00	7,087.00	6,862.00

Mfrs. List No.	Order Code	Price Each			
		1+	5+	10+	25+
TCL 024-105.	820-5469	3,489.00	3,288.00	3,184.00	--
TCL 024-112.	820-5485	3,489.00	3,288.00	3,184.00	--
TCL 024-124DC.	820-5507	5,024.00	4,736.00	4,585.00	4,348.00
TCL 024-124.	473-1414	3,817.00	3,512.00	3,244.00	--
TCL 024-124C.	473-1426	4,056.00	3,951.00	3,650.00	--
TCL 060-112.	417-3983	4,570.00	4,259.00	3,935.00	--
TCL 060-112C.	419-1031	4,629.00	4,259.00	3,935.00	--
TCL 060-124.	417-3995	4,084.00	3,868.00	3,798.00	--
TCL 060-124C.	419-1043	4,084.00	3,868.00	3,574.00	--
TCL 120-112.	473-1438	8,798.00	8,094.00	7,478.00	--
TCL 120-112C.	473-1440	8,798.00	8,094.00	7,478.00	--
TCL 120-124.	417-4010	6,907.00	6,355.00	5,871.00	--
TCL 120-124C.	421-3890	6,907.00	6,355.00	5,871.00	--

**Convel 4000 Series**



The 4000 series range of power supplies are designed for quick and trouble-free installation onto 35mm profile DIN rails. With outputs ranging from 5V to 24V and maximum current capabilities of 300mA, these units are ideal for many instrumentation and sensor applications.

Every model in the range is provided with output current foldback limiting and is fully short-circuit protected. Great attention has been taken to usability and safety.



Input	115 or 230V ac	Temperature Rating	Standard range: 0 to 50°C full-rated, derated linearly to 40% at 70°C
Ripple and Noise	<5 mV rms	Safety	In accordance with EN60950; IEC950; UL1950; and CSA 22.2
Output Voltage Tolerance	±5% max	Transformer Case Size (WxDxH)	VDE 0551 70x58x86mm
Load Regulation	±0.2% for 50% load change	Case Material	Lexan (self extinguishing to UL 94V-0)
Line Regulation	±0.05% for 10% line change	Weight	0.43kg
Isolation: Input to Output	3750V ac min		

Output Voltage	Output Current	Mfrs. List No.	Order Code	1+	5+	10+	+
5V dc	300mA	40053	790-5181	3,810.00	3,609.00	3,728.00	--
12V dc	300mA	40123	790-5190	4,111.00	4,048.00	3,941.00	--
24V dc	300mA	40243	790-5203	4,512.00	4,311.00	4,368.00	--

**Modular DIN Rail Mounting PSUs**

**SITOP modular 24 V**



- Siemens first modular power supplies
- Flexible and cost-effective function upgrades
- Ultra-wide input voltage ranges AC 85 - 132 V and 176 - 550 V
- 5 A and 10 A two phase versions run on three phase supplies
- Switchable input voltage AC 120/230 V for 20 A and 40 A versions
- Three phase wide-range input AC 400-500 V for 20 A and 40 A versions
- Robust design, high power density
- Selectable short-circuit behaviour: constant current or latching shutdown
- Output characteristic switchable for parallel operation
- LEDs for 24 V o.k., overload, latching shutdown
- Interference emission class B and high interference immunity
- Limitation of input current harmonics to EN 61000-3-2 (except for 6EP1337...)
- Add-on modules for extended functionality
- Snap-mounting on DIN rail 35x15/7.5 (DIN EN 50022)
- Certifications: CE, UL/cUL

**Signalling module**

- Add-on module, attachable to the side of basic devices 5A, 10A, 20A or 40A
- With floating signal contacts for "output voltage o.k." and "operating state o.k."

**DIN Rail Mounting PSUs**

**SITOP power 24 V, 0.5A and 0.375A**



- Wide-range input for AC and DC voltages
- Small width: 22.5 mm
- Ambient temperature -20°C to 70°C
- Interference emission class B and high interference immunity
- For universal use in industrial and residential applications
- Snap-mounting on DIN rail 35x15/7.5 (DIN EN 50022)
- Galvanic isolation according to EN 60950 and EN 50178
- Certifications: CE, UL/cUL

W=22.5, H=80, D=91mm

Mfrs. List No.	AC Version	DC Version
	6EP1331-2BA10	6EP1731-2BA00
Rated input voltage	AC 120 - 230 V	DC 48 - 220 V
Voltage range	AC 93...264 V	DC 30...264 V
Buffering of power outages	> 10 ms (at 230 V)	> 10 ms (at 220 V)
Frequency	50/60 Hz	-
Input current	0.22-0.13 A	0.3-0.06 A
Rated output voltage		DC 24 V
Tolerance		±3%
Setting range		-
Output current	0.5 A	0.375 A
Ambient temperature	-20°C to +70°C (DC version derating starting at +60°C)	
Weight	0.11 kg	0.14 kg
Order Code	121-0878	121-0879

Output Current	Mfrs. List No.	Order Code	1+	5+
0.5A	6EP1331-2BA10	121-0878	3,675.00	3,580.00
0.375A	6EP1731-2BA00	121-0879	6,530.00	5,899.00