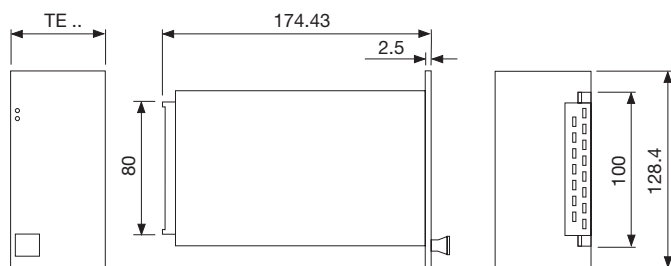




- 19" plug-in module
- Autoranging 120/230 VAC
- EMC Standards EN 50081-1 and EN 50082-2
- All outputs permanent short-circuit proof
- Outputs SELV according to EN 60950
- Overtemperature protection
- Optional Power-Fail and ACFAIL signal
- Assembly kit for DIN-rail or wall mounting



3HE

Front panel: 10TE - 50.45 (P 3120)

Front panel: 12TE - 60.60 (P 3140)

ORDER DATA							Order numbers in italics		
Vo1 V	Io1 A	Vo2 V	Io2 A	Vo3 V	Io3 A	Width TE	Height HE	Type No. PF-signal	Type No. ACFAIL-signal
+5.1	0 - 14	+12.1	0 - 5	-12	0 - 2	10	3	<i>P3120-05121PF</i> <i>15.7340.402</i>	<i>P3120-05121AC</i> <i>15.7340.404</i>
+5.1	0 - 14	+15.1	0 - 4	-15	0 - 2	10	3	<i>P3120-05151PF</i> <i>15.7340.502</i>	<i>P3120-05151AC</i> <i>15.7340.504</i>
+5.1	0 - 20	+12.1	0 - 5	-12	0 - 2	12	3	<i>P3140-05121PF</i> <i>15.7340.002</i>	<i>P3140-05121AC</i> <i>15.7340.004</i>
+5.1	0 - 20	+15.1	0 - 4	-15	0 - 2	12	3	<i>P3140-05151PF</i> <i>15.7340.102</i>	<i>P3140-05151AC</i> <i>15.7340.104</i>
Total output: Limited to max.130 W for P 3120 and max. 160 W for P 3140									
Additionally:									
Front panel (nature anodized)				33.1563.003.011 (P3120 - 12 V)			33.1563.003.111 (P3120 - 15 V)		
				33.1573.006.011 (P3140 - 12 V)			33.1573.006.111 (P3140 - 15 V)		
Assembly kit for DIN-rail				15.7140.000.190					
Assembly kit for wall mounting				15.7140.000.290					

INPUT	SAFETY																																		
Input voltage range AC 187 - 264 V, 50/60 Hz With autoranging to AC 99 - 138 V Efficiency typ. 80% Input current limitation ≤ 10 A _{peak} typ. – in cold state ≤ 15 A _{peak} typ. – in hot state Fuse 4 AT	EN60950 / VDE 0805 Safety Class I, VDE0100 DIN IEC 68 - 2 Part 6 and 27																																		
OUTPUT	EMC																																		
Adjustment range Vo1 ±5% Total output lines ≤ 130 W (P3120), ≤ 160 W (P3140) Operation indicator Green LED for Vo1, Vo2, Vo3 Ripple Vo1, Vo2 < 35 mV _{pp} , Vo3 < 20 mV _{pp} Noise voltage 50 mV _{pp} typ. (band width 20 MHz) Temperature coefficient 0.025% / K Switch on/switch off performance Rise-delay time < 0.5 s Run-up time ≤ 50 ms	Interference suppression/interference immunity EN 50082-2: 1992 EN 61000-4-2 Intensity 4 EN 61000-4-3 Noise level 10 V/m EN 61000-4-4 Intensity 4 EN 61000-4-5 Intensity 4 EN 61000-4-11 VDE 0160 (with shut-off and restart) Interference emission EN50081-1: 1992 EN55011 / EN55022 Class B, interference transmission depends on assembly																																		
REGULATION	OPERATING DATA																																		
Line regulation < 0.2% for all Vo at Vi 99 - 138/187 - 264 VAC Load regulation < 0.1% for Vo1 at Io 0 - 100% < 1% for Vo2, Vo3 at Io 0 - 100% (Nominal value of Vo3 is only secured if Io2 ≥ 20% of Io3) Response time < 1 ms at Io 20 - 80%	Temperature range 0...+70°C, at free convection Derating 3% / K at +50°C Weight 0.7 kg (P 3120), 0.8 kg (P 3140)																																		
PROTECTION AND CONTROLLING	MECHANICS																																		
Overvoltage protection 125% ±5% Vo1, 125% ±10% for Vo2, Vo3, automatically repeating Current limitation typ. 110% I _{nominal} , straight characteristic effective for all outputs All outputs permanent short-circuit proof Overtemperature protection Switches off when inside temperature becomes too high, switches on again with hysteresis. Mains buffering > 20 ms at 100% load Power-Fail The transistor for the PF-signal is blocked, if the output voltage reached a value > 95% of the nominal output voltage. The transistor becomes conductive > 10 ms before the output voltage Vo1 drops. (Buffer time) Buffer time of Vo2 and Vo3: > 5 ms Signals ACFAIL and SYSRESET TTL-signals with 48 mA drive current, open-collector and low-active-level	Dimensions 19" plug-in module according to DIN 41494 Part 5 Connection Connector H 15 / DIN 41612 codable																																		
	PIN CONNECTIONS																																		
	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">H15 DIN 41612</td> <td>30</td> <td>26</td> <td>22</td> <td>18</td> <td>14</td> <td>10</td> <td>6</td> </tr> <tr> <td></td> <td>N</td> <td>1)</td> <td>-12VL -15VL</td> <td>OVL</td> <td>OVL</td> <td>OVL</td> <td>OVL</td> </tr> <tr> <td></td> <td>32</td> <td>28</td> <td>24</td> <td>20</td> <td>16</td> <td>12</td> <td>8</td> <td>4</td> </tr> <tr> <td></td> <td>PE ⊕</td> <td>L1</td> <td>PF ACFAIL</td> <td>+12VL +15VL</td> <td>SYS- RESET</td> <td>+5VL</td> <td>+5VL</td> <td>+5VF</td> </tr> </table>	H15 DIN 41612	30	26	22	18	14	10	6		N	1)	-12VL -15VL	OVL	OVL	OVL	OVL		32	28	24	20	16	12	8	4		PE ⊕	L1	PF ACFAIL	+12VL +15VL	SYS- RESET	+5VL	+5VL	+5VF
H15 DIN 41612	30	26	22	18	14	10	6																												
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	1) internally connected																																		
	EXPLANATION																																		
	PE ⊕ Protective conductor Do not use supply without PE-connection! L1/N Mains phase / neutral conductor L Load connection, (14 A max. for each contact) F Sense connection OVL Common ground for Vo1, Vo2, Vo3 Sense lines at 5 V For a safe operating mode of the device, it is mandatory to connect +5VL with +5VF and OVL with OVF. Maximum voltage compensation of 0.25 V of each line.																																		

