



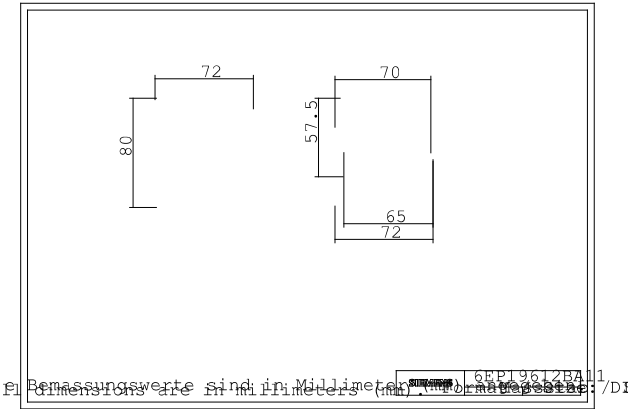
SITOP PSE200U 3 A SELECTIVITY MODULE 4-CHANNEL  
 INPUT: 24 V DC;  
 OUTPUT: 24 V DC/3 A PER EACH CHANNEL OUTPUT  
 CURRENT ADJUSTABLE 0.5-3

### Technical specifications

|                                                                            |                                                |
|----------------------------------------------------------------------------|------------------------------------------------|
| Product                                                                    | SITOP PSE200U                                  |
| Power supply, type                                                         | Selectivity module, 4 x 3 A                    |
| <b>Input</b>                                                               |                                                |
| Input                                                                      | Controlled DC voltage                          |
| Supply voltage / for DC / rated value                                      | 24 V                                           |
| Input voltage                                                              |                                                |
| • at DC                                                                    | 22 V ... 30 V                                  |
| Overvoltage resistance                                                     | 35 V                                           |
| Input current / at nominal level of the input voltage 24 V / nominal value | 12 A                                           |
| <b>Output</b>                                                              |                                                |
| Output                                                                     | controlled DC voltage                          |
| Output voltage                                                             | V <sub>in</sub> - approx. 0.2 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                      | 3 A                                            |
| Adjustable output current                                                  | 0.5 A ... 3 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 > 20 V, delay time of 25 ms, 100 ms or adjustable "load optimised" via DIP switch for sequential connection |
| <b>Efficiency</b>                             |                                                                                                                                                                                          |
| Efficiency at Vout rated, Iout rated, approx. | 97 %                                                                                                                                                                                     |
| Power loss at Vout rated, Iout rated, approx. | 9 W                                                                                                                                                                                      |
| <b>Switch-off characteristic per channel</b>  |                                                                                                                                                                                          |
| Overcurrent switch-off                        | Iout = 1.0 ... 1.3 x set value, switch-off after approx. 5 s                                                                                                                             |
| Current limitation                            | Iout = 1.3 x set value, switch-off not before typ. 100 ms                                                                                                                                |
| Immediate switch-off                          | Iout > set value and Vin < 20 V, switch-off after approx. 0.5 ms                                                                                                                         |
| Reset                                         | Using keys for each channel                                                                                                                                                              |
| Remote reset                                  | Non-isolated 24 V input (signal level "high" at > 15 V)                                                                                                                                  |
| <b>Protection and monitoring</b>              |                                                                                                                                                                                          |
| Device/Line protection                        | 5 A internal fuse per channel (not accessible)                                                                                                                                           |
| Status display                                | Three-color LED per channel: green LED for "Output switched through"; yellow LED for "Output switched off manually"; red LED for "Output switched off due to overcurrent"                |
| Signaling                                     | Common signal contact (changeover contact, rating 0.1 A/24 V DC)                                                                                                                         |
| <b>Safety</b>                                 |                                                                                                                                                                                          |
| 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                                                                                                 |
| Standard / for explosion protection           | ATEX (EN 60079-0, -15)                                                                                                                                                                   |
| <b>EMC</b>                                    |                                                                                                                                                                                          |
| Emitted interference                          | EN 55022 Class B                                                                                                                                                                         |
| Noise immunity                                | EN 61000-6-2                                                                                                                                                                             |
| <b>Operating data</b>                         |                                                                                                                                                                                          |
| Ambient temperature                           |                                                                                                                                                                                          |
| • in operation                                | 0 °C ... 60 °C                                                                                                                                                                           |
| • Note                                        | with natural convection                                                                                                                                                                  |
| Ambient temperature                           |                                                                                                                                                                                          |
| • on transport                                | -40 °C ... 85 °C                                                                                                                                                                         |
| • in storage                                  | -40 °C ... 85 °C                                                                                                                                                                         |
| Humidity class according to EN 60721          | Climate class 3K3, no condensation                                                                                                                                                       |
| <b>Mechanics</b>                              |                                                                                                                                                                                          |
| Connection technology                         | screw-type terminals                                                                                                                                                                     |
| Design of the electrical connection           |                                                                                                                                                                                          |

|                                                                                                                                                              |                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at the input</li> <li>• secondary side</li> <li>• for signaling contact</li> <li>• for auxiliary contact</li> </ul> | +24 V: 2 screw terminals for 0.5 ... 10 mm <sup>2</sup> ; 0 V: 2 screw terminals for 0.5 ... 4 mm <sup>2</sup><br>Output 1 ... 4: 1 screw terminal each for 0.5 ... 4 mm <sup>2</sup><br>3 screw terminals for 0.5 ... 4 mm <sup>2</sup><br>Remote reset: 1 screw terminal for 0.5 ... 4 mm <sup>2</sup> |
| Width / of the housing                                                                                                                                       | 72 mm                                                                                                                                                                                                                                                                                                    |
| Height / of the housing                                                                                                                                      | 80 mm                                                                                                                                                                                                                                                                                                    |
| Depth / of the housing                                                                                                                                       | 72 mm                                                                                                                                                                                                                                                                                                    |
| Installation width                                                                                                                                           | 72 mm                                                                                                                                                                                                                                                                                                    |
| Mounting height                                                                                                                                              | 180 mm                                                                                                                                                                                                                                                                                                   |
| Net weight                                                                                                                                                   | 0.2 kg                                                                                                                                                                                                                                                                                                   |
| Installation                                                                                                                                                 | Snaps onto DIN rail EN 60715 35x7.5/15                                                                                                                                                                                                                                                                   |
| Mechanical accessories                                                                                                                                       | Device identification label 20 mm × 7 mm, pastel-turquoise 3RT1900-1SB20                                                                                                                                                                                                                                 |



**letzte Änderung:**

Oct 31, 2011