

SIMATIC S7-400, Power supply PS405, wide range 10 A, 24/48/60 V DC; 5 V DC/10 A ATEX approval marking



### General information

|                          |        |
|--------------------------|--------|
| Product type designation | PS 405 |
|--------------------------|--------|

### Supply voltage

|                                     |                        |
|-------------------------------------|------------------------|
| Rated value (DC)                    |                        |
| • 24 V DC                           | Yes                    |
| • 48 V DC                           | Yes                    |
| • 60 V DC                           | Yes                    |
| permissible range, lower limit (DC) | 19.2 V; Dynamic 18.5 V |
| permissible range, upper limit (DC) | 72 V; dynamic 75.5 V   |

### Mains buffering

|   |       |
|---|-------|
| • Mains/voltage failure stored energy time          | 20 ms |
| • Mains buffering according to NAMUR recommendation | Yes   |

### Input current

|                        |  |
|------------------------|--|
| Rated value at 24 V DC | 4 A                                    |
| Rated value at 48 V DC | 2 A                                    |
| Rated value at 60 V DC | 1.6 A                                  |
| Inrush current, max.   | 18 A; Full width at half maximum 20 ms |

| Output voltage  |   |
|---|---|
| Type of output voltage  | DC  |
| Rated value (DC)  | Yes   |
| <ul style="list-style-type: none"> <li>• 5 V DC</li> <li>• 24 V DC</li> </ul> | Yes   |
| Output current  |   |
| for backplane bus (5 V DC), max.  | 10 A; no base load required   |
| for backplane bus (24 V DC), max.   | 1 A; idling-proof   |
| Short-circuit protection  | Yes   |
| Power   |   |
| Active power input, typ.  | 95 W  |
| Power loss  |   |
| Power loss, typ.  | 20 W  |
| Battery   |   |
| Backup battery  |   |
| <ul style="list-style-type: none"> <li>• Backup battery (optional)</li> </ul> | Yes; 2x lithium AA; 3.6 V / 2.3 Ah  |
| Hardware configuration  |   |
| Slots   |   |
| <ul style="list-style-type: none"> <li>• required slots</li> </ul>            | 2   |
| Potential separation  |   |
| primary/secondary   | Yes   |
| Degree and class of protection  |   |
| Equipment protection class  | I, with protective conductor  |
| Standards, approvals, certificates  |   |
| FM approval   | Yes; Ta: 0 °C to 60 °C T4   |
| Ambient conditions  |   |
| Ambient temperature during operation  |   |
| <ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>      | 0 °C<br>60 °C   |
| Connection method   |   |
| Design of electrical connection   | 3x 1.5 mm <sup>2</sup> , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm |
| Dimensions  |   |
| Width   | 50 mm   |
| Height  | 290 mm  |
| Depth   | 217 mm  |
| Weights   |   |
| Weight, approx.   | 1 200 g   |

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