



SIMATIC S7-400, power supply PS405: 10 A, wide range, 24/48/60 V DC; 5 V DC/10 A, for redundant use

| Supply voltage                                      |                                        |
|-----------------------------------------------------|----------------------------------------|
| Rated value (DC)                                    |                                        |
| • 24 V DC                                           | Yes                                    |
| • 48 V DC                                           | Yes                                    |
| • 60 V DC                                           | Yes                                    |
| 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)                                    |                                        |
| • 5 V DC                                            | Yes                                    |
| • 24 V DC                                           | 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                                      |                                        |
| • Backup battery (optional)                         | Yes; 2x lithium AA; 3.6 V / 2.2 Ah     |
| Hardware configuration                              |                                        |
| Slots                                               |                                        |
| • required slots                                    | 2                                      |
| Potential separation                                |                                        |
| primary/secondary                                   | Yes                                    |
| Isolation                                           |                                        |
| Overvoltage category                                | II                                     |
| 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                                                                       |
| CCC                                  | Yes                                                                                             |
| BIS                                  | Yes                                                                                             |
| Ambient conditions                   |                                                                                                 |
| Ambient temperature during operation |                                                                                                 |
| • min.                               | 0 °C                                                                                            |
| • max.                               | 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                                                                                         |
| Classifications                      |                                                                                                 |

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-24-22-09    |
| eClass | 12      | 27-24-22-09    |
| eClass | 9.1     | 27-24-22-09    |
| eClass | 9       | 27-24-22-09    |
| eClass | 8       | 27-24-22-09    |
| eClass | 7.1     | 27-24-22-09    |
| eClass | 6       | 27-24-22-09    |
| ETIM   | 10      | EC000599       |
| ETIM   | 9       | EC000599       |
| ETIM   | 8       | EC000599       |
| ETIM   | 7       | EC000599       |
| IDEA   | 4       | 3575           |
| UNSPSC | 15      | 32-15-17-06    |

#### Approvals / Certificates

##### General Product Approval



[Miscellaneous](#)

[China RoHS](#)



[KC](#)

##### General Product Approval

##### EMV

##### For use in hazardous locations



[FM](#)

##### For use in hazardous locations

##### Maritime application



[Type Examination Certificate](#)



##### Maritime application



[NK / Nippon Kaiji Ky-  
okai](#)



Maritime application

Environment

[CCS \(China Classifica-  
tion Society\)](#)



last modified:

6/7/2025