



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 / header

|                        |     |
|------------------------|-----|
| 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 mm², 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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