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Data sheet 6ES7405-0KA02-0AA0



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

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

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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

Classifications

	Version	Classification
eClass	16	27-24-22-09
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

General Product Approval | **EMV** | **For use in hazardous locations**

China RoHS | Miscellaneous | Manufacturer Declaration

For use in hazardous locations

FM | Type Examination Certificate

Maritime application

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ABS

BUREAU VERITAS

DNV

LRS

NK / Nippon Kaiji Kyokai

PRS

Maritime application	Environment

RINA

RMRS

CCS (China Classification Society)

EPD

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