

SINUMERIK ONE PPU 1740-1500 with PLC-1500F ***maximum 4-axis interpolation in the export version***



General information	
product brand name	SINUMERIK
product designation	CNC control
product type designation	ONE
product short term	PPU 1740-1500
Performance data	
type of voltage / of the supply voltage	DC
supply voltage / at DC / rated value	24 V
consumed current / rated value	6 A
consumed current / maximum	8 A
consumed active power / maximum	94 W
relative positive tolerance / at DC / at 24 V	20 %
relative negative tolerance / at DC / at 24 V	15 %
buffering time / in the event of power failure	3 ms; 20 ms mit SITOP smart power supply
Display	
design of the display	LCD color
screen diagonal	15.6 in
horizontal image resolution / of the display	1 366 pixel
vertical image resolution / of the display	768 pixel
Memory	
type of work memory 1	DRAM
• storage capacity	4 Gbyte
type of work memory 2	NVM
• storage capacity	1 Mbyte
Degree of protection and class of protection	
protection class IP / on the front	IP65
protection class IP / rear side	IP20 / UL open type
Ambient conditions	
environmental category / according to IEC 60721-3-3	Condensation and icing excluded. Low air temperature 0 °C (32 °F).
Substance Prohibitance (day/month/year)	10/15/2019
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 4,4'-isopropylidenediphenol (Bisphenol A, BPA) CAS-No. 80-05-7 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1
Ambient temperature	
• on the front / during operation	0 ... 40 °C, 32 ... 104 °F
• rear side / during operation	0 ... 45 °C, 32 ... 113 °F
• during transport	-20 ... +70 °C, -4 ... +158 °F
• during storage	-25 ... +55 °C, -13 ... +131 °F
Relative humidity	

- at 25 °C / during operation 5 ... 95 %
- at 25 °C / during transport 5 ... 95 %
- at 25 °C / during storage 5 ... 95 %

Installation type/mounting

mounting position / of operating panel	Perpendicular
cutout height / of the mounting surface	241 mm, 9.48 in
cutout width / of the mounting surface	382 mm, 15.03 in

Design, dimensions and weight

width	398 mm, 15.67 in
height	257 mm, 10.12 in
depth	138 mm, 5.43 in
net weight	6.1 kg, 13.44 lb

Classifications

	Version	Classification
eClass	16	27-24-21-91
eClass	14	27-24-21-91
eClass	12	27-24-21-91
eClass	9.1	27-24-21-91
eClass	9	27-24-21-91
eClass	8	27-24-91-90
eClass	7.1	27-24-91-90
eClass	6	27-24-91-90
ETIM	10	EC001857
ETIM	9	EC001857
ETIM	8	EC001857
ETIM	7	EC001857

Approvals / Certificates

Environmental Product Declaration	
• global warming potential [CO2 eq] / during manufacturing	189 kg
• global warming potential [CO2 eq] / during sales	2.01 kg
• global warming potential [CO2 eq] / during operation	632 kg
• global warming potential [CO2 eq] / after end of life	-26.9 kg
• global warming potential [CO2 eq] / total	796.11 kg

Environment	General Product Approval
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[Declaration of Conformity](#)



General Product Approval	EMV	Functional Safety
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[China RoHS](#)



[Manufacturer Declaration](#)

[TUEV](#)

[Manufacturer Declaration](#)

Industrial Communication

[PROFINET](#)

