

****spare part**** SINUMERIK 828D Basic M CNC hardware PPU 241.2 horizontal



General information	
product brand name	SINUMERIK
product designation	CNC control
product type designation	828D
product short term	PPU 241.2
Performance data	
consumed active power / maximum	60 W
relative positive tolerance / at DC / at 24 V	20 %
relative negative tolerance / at DC / at 24 V	15 %
performance class for CNC controllers	BASIC M
buffering time / in the event of power failure	3 ms; 20 ms mit SITOP smart power supply
Degree of protection and class of protection	
protection class IP / on the front	IP65; With the front flap closed
protection class IP / rear side	IP20 / UL open type
Standards, approvals, certification	
reference code / according to IEC 81346-2	K
Ambient conditions	
environmental category / according to IEC 60721-3-3	Class 3K5 Condensation and icing excluded. Low air temperature 0 °C (32 °F).
Substance Prohibitance (day/month/year)	12/31/2099
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 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof CAS-No. -
Ambient temperature	
• on the front / during operation	0 ... 45 °C, 32 ... 113 °F
• rear side / during operation	0 ... 55 °C, 32 ... 131 °F
• during transport	-20 ... +60 °C, -4 ... +140 °F
• during storage	-25 ... +55 °C, -13 ... +131 °F
Relative humidity	
• at 25 °C / during operation	5 ... 90 %
• at 25 °C / during transport	5 ... 95 %
• at 25 °C / during storage	10 ... 100 %
Installation type/mounting	
mounting position / of operating panel	Vertical
design, dimensions, weights / header	
width	483 mm, 19.02 in
height	220 mm, 8.66 in

depth	105 mm, 4.13 in
net weight	4.5 kg, 9.92 lb

Classifications			
		Version	Classification
	eClass	16	27-24-21-02
	eClass	14	27-24-21-02
	eClass	12	27-24-21-02
	eClass	9.1	27-24-21-02
	eClass	9	27-24-21-02
	eClass	8	27-24-21-02
	eClass	7.1	27-24-21-02
	eClass	6	27-24-21-02
	ETIM	10	EC001422
	ETIM	9	EC001422
	ETIM	8	EC001422
	ETIM	7	EC001422
	UNSPSC	15	43-20-15-42

Approvals / Certificates	
General Product Approval	EMV



EMV	Functional Safety
	Manufacturer Declaration

