



\*\*\*spare part\*\*\* SINUMERIK ONE NCU 1750 with PLC-1500F including twin fan module

| General information                                 |                                                                                                                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                  | SINUMERIK                                                                                                                                                                                                 |
| product designation                                 | CNC control                                                                                                                                                                                               |
| product type designation                            | ONE                                                                                                                                                                                                       |
| product short term                                  | NCU 1750                                                                                                                                                                                                  |
| Performance data                                    |                                                                                                                                                                                                           |
| consumed active power / maximum                     | 356.5 W                                                                                                                                                                                                   |
| power loss [W] / typical                            | 41.81 W                                                                                                                                                                                                   |
| Memory                                              |                                                                                                                                                                                                           |
| type of work memory 1                               | DRAM                                                                                                                                                                                                      |
| • storage capacity                                  | 8 Gbyte                                                                                                                                                                                                   |
| type of work memory 2                               | NVM                                                                                                                                                                                                       |
| • storage capacity                                  | 1 Mbyte                                                                                                                                                                                                   |
| Degree of protection and class of protection        |                                                                                                                                                                                                           |
| protection class IP                                 | IP20 / UL open type; IPXXB with cover for option slot                                                                                                                                                     |
| Standards, approvals, certification                 |                                                                                                                                                                                                           |
| reference code / according to IEC 81346-2           | K                                                                                                                                                                                                         |
| 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)             | 09/03/2018                                                                                                                                                                                                |
| SVHC substance name                                 | Lead CAS-No. 7439-92-1<br>Lead monoxide (lead oxide) CAS-No. 1317-36-8<br>4,4'-isopropylidenediphenol (Bisphenol A, BPA) CAS-No. 80-05-7<br>6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1 |
| Ambient temperature                                 |                                                                                                                                                                                                           |
| • during operation                                  | 0 ... 55 °C, 32 ... 131 °F                                                                                                                                                                                |
| • during transport                                  | -40 ... +70 °C, -40 ... +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 %                                                                                                                                                                                                |
| Design, dimensions and weight                       |                                                                                                                                                                                                           |
| width                                               | 50 mm, 1.97 in                                                                                                                                                                                            |
| height                                              | 432 mm, 17 in                                                                                                                                                                                             |
| depth                                               | 272 mm, 10.71 in                                                                                                                                                                                          |
| net weight                                          | 3.75 kg, 8.27 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

General Product Approval



|                          |     |                   |  |  |                          |
|--------------------------|-----|-------------------|--|--|--------------------------|
| General Product Approval | EMV | Functional Safety |  |  | Industrial Communication |
|--------------------------|-----|-------------------|--|--|--------------------------|

