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# AS 4055.921 Perforex Milling Terminal MT 2101 S

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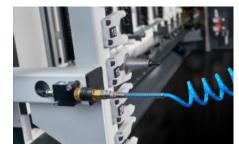


# AS 4055.921 - Perforex Milling Terminal MT 2101 S

The Perforex Milling Terminal 2101 offers the greatest flexibility of the MT series. Supports machining of all compact and large enclosures.







### **Features**

| Model No.           | AS 4055.921  |
|---------------------|--|
| Design              | Enclosure machining  |
|                     | Enclosure panel machining  |
|                     | Patented pressure plate with integral extraction of the milling swarf  |
|                     | High-performance spindle including minimal quantity lubrication  |
|                     | Automatic tool testing   |
|                     | DIN tools  |
|                     | Pneumatic clamping device  |
| Product description | The Perforex Milling Terminal is a 4-axis CNC machine used for   |
|                     | modifying standard enclosures. It provides automated machining o enclosure panels and housings e.g. for holes, threads and cut-outs. |
|                     | The Perforex Milling Terminal 2101 offers the greatest flexibility of  |
|                     | ,  |
|                     | the MT series. It supports machining of all compact and large enclosures.  |

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### **Features**

| Benefits            | Fast return on investment (ROI) and significantly enhanced competitiveness Short throughput times with consistently high machining quality Wire consistency with network-based software Easy to use with a clearly organised HMI and 24-inch screen Automatic tool change and integral tool length measurement Tool-friendly machining with minimal quantity lubrication system and plate Automatic swarf extraction when drilling and milling The high-performance spindle allows fast, precise, reliable machining Intuitive clamping system with pneumatic clamping device, optimised for enclosure components |
|---------------------|---|
| Supply includes     | The Perforex MT S is configured on a project-specific basis   |
| Machinable material | Aluminium Steel Stainless steel Plastic Copper  |
| Machine options     | Signal pillar 4055.954 Side access 4055.952 Support arm system 4055.951 Enclosure machining 2000 mm 4055.953 2 additional zero points for multi-part machining 4050.066   |
| Machine controller  | Order management with the Rittal Panel Processing Center (RiPPC) Operation with Rittal HMI  |
| Safety              | Security fence to DIN EN ISO 13857 Optical protective device in front of and behind the machine Reliable braking of the axes even in the event of a power failure   |
| Interfaces          | Rittal Panel Processing Center (RiPPC) EPLAN Pro Panel Rittal Configuration System Import of DXF data   |
| Note                | We reserve the right to make technical modifications  |
| Support area        | Width: 4,600 mm<br>Height: 2,450 mm<br>Depth: 3,750 mm  |
|                     |   |

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## Features

| Compressed air connection                       | 6 bar  |
|---|--|
| Weight of workpiece, panel machining (max.)     | 250 kg   |
| Weight of workpiece, enclosure machining (max.) | 300 kg   |
| No. of tool slots                               | 21   |
| Machining accuracy                              | ± 0.2 mm   |
| Speed X/Y-axis                                  | 60.000 mm/min  |
| Speed Z-axis                                    | 12.000 mm/min  |
| Spindle speed (max.)                            | 21.000 rpm   |
| Spindle performance (max.)                      | 11 kW  |
| Control voltage (DC)                            | 24 V   |
| Rated current max.                              | 6,2 A  |
| Rated operating voltage                         | 3L+PE, 400 - 480 V, 50/60 Hz                           |
| Machining speed (max.)                          | 1.500 mm/min   |
| Dimensions of clampable enclosures min.         | Width: 100 mm<br>Height: 100 mm<br>Depth: 140 mm       |
| Dimensions of clampable enclosures max.         | Width: 1,400 mm<br>Height: 1,600 mm<br>Depth: 1,600 mm |
| Dimensions of clampable enclosure panels min.   | Width: 100 mm<br>Height: 100 mm<br>Depth: 1.25 mm      |
| Dimensions of clampable enclosure panels max.   | Width: 2,450 mm<br>Height: 1,700 mm<br>Depth: 5 mm     |
| Maximum machinable area for enclosure panels    | Width: 2,200 mm<br>Height: 1,700 mm                    |
| Maximum machinable area for enclosures          | Width: 1,200 mm<br>Height: 1,600 mm                    |

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### **Features**

| Packs of              | 1 pc(s).      |
|-----------------------|---------------|
| Net weight            | 2300          |
| Gross weight          | 2720          |
| Customs tariff number | 84571090      |
| EAN                   | 4028177967526 |

# **Approvals**

Explanations Declaration of conformity

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