

'DCIO' AUX. POWER CONNECTOR

E1 ETHERNET CONNECTOR

Ethernet Shield

TSI CONNECTOR 5-PIN M12 FEMALE

Schematic Notes:

Note that the sensors are powered by DCA V+ power. The common V+ and V- connections are not shown here. The complete tool changer package comes equipped with external cables that are connected to the sensors. An internal pin block is used to transmit the Latch/Unlatch signal to the Valve Adapter. Cables for Ethernet and Auxiliary Power to the DKF Modules are supplied by the user. The Tool ID I/O is reported in the DKF Master Bitmap. Refer to the product manual for more information. The Arc Prevention Circuits turn off Switched Auxiliary and Unswitched Auxiliary Power during coupling and uncoupling of the Master and Tool. The switching function is controlled by the "POWER ON" signal from the main PC Board. The TOOL PRESENT input is used to ensure that the spring/contact pins are touching when power is turned on. Refer to the product manual for additional information. The 9121-DKQ-T module requires the use of a two channel, PL e rated contactless Safety Sensor, specifically Euchner CES-I-AP-M-C04-USB-117324 (See Sheet 4). The Safety Sensor is not included with the DKQ but is available from ATI. The Safety Sensor is powered by DCAV+/DCAV-.

1031 Goodworth Drive, Apex, NC 27539, USA *Tel:* +1.919.772.0115 www.ati-ia.com *Fax:* +1.919.772.8259 ISO 9001 Registered Company

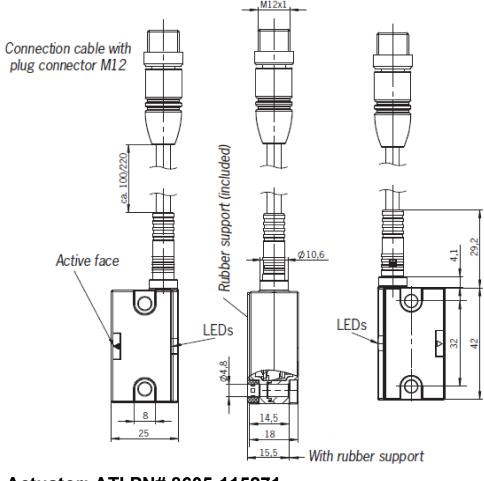
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DKF Master, DKQ Tool Ethernet Module Customer Drawing

LE	SIZE	DRAWING NUMBER
10	В	9630-20-DKFM DKQT

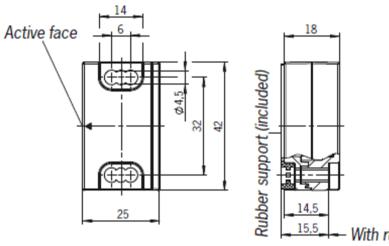
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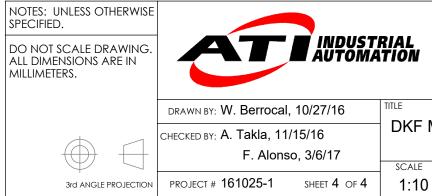




Actuator: ATI PN# 8605-115271

Safety Switch: ATI PN# 8600-117324





← With rubber support

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10	В	9630-20-DKFM DKQT	04