

Note that the sensors are powered by INPUT V+ power.

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 DKS Modules are supplied by the user.
- The Tool ID I/O is reported in the DKS Master Bitmap. Refer to the product manual for more information. The Arc Prevention Circuits turns off OUTPUT Power and INPUT 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 limit switch connected to the TSI connector must have two sets of N.O. contacts (double pole single throw). A limit switch is available from ATI (p/n 9005-20-1165) but is not included with the DKS modules. Contact ATI for specific switch requirements.
- IMPORTANT: The Ethernet Connector shell is capacitively coupled to the Module Housing.
- The DKS Control Module is only compatible with double-solenoid control valves.
- In the event that a Tool Changer equipped with the DKS Control Module is locked without a Tool, the only way to unlock the Tool Changer is to press the manual override located on the control valve.



3rd ANGLE PROJECTION

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REVISION

04

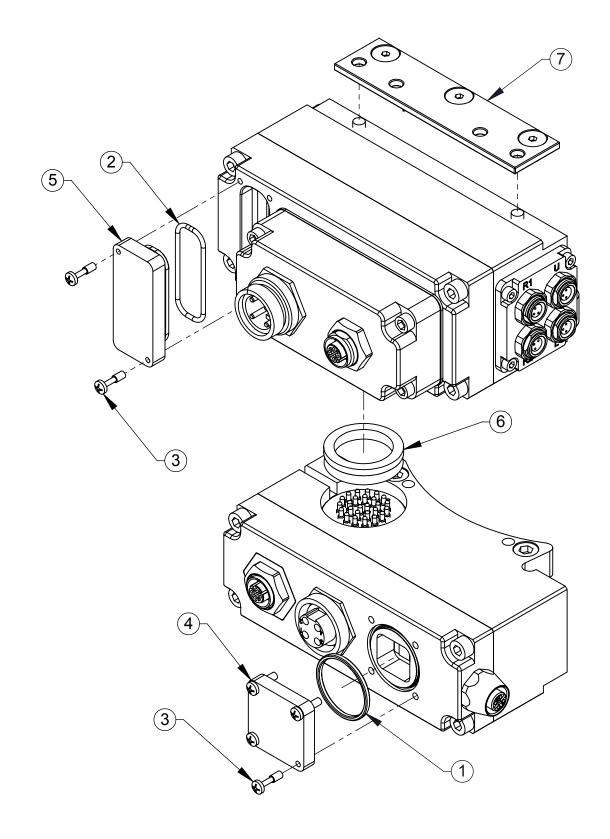
CHECKED BY: W.Berrocal, 11/14/18 K.Davis, 11/13/18

PROJECT # 181030-5 SHEET 3 OF 4

DKS Module Customer Drawing

SCALE 1:10

DRAWING NUMBER В 9630-20-DKS



9121-DKS-M / 9121-DKS-T SERVICEABLE PARTS			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	3410-0001008-01	O-ring AS568A-018
2	1	3410-0001201-01	O-Ring AS568-024
3	6	3500-9957012-21	Pan Head M3 Captive Screw M3 X 12
4	1	3700-20-5844	Tool ID Window
5	1	3700-20-4820	Window, DJ Master, Annular Seal
6	1	4010-0000030-01	V-Ring Seal V-22A Nitrile
7	1	9005-20-1198	Master Cleat Sub-Assembly

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN INCHES.



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3rd ANGLE PROJECTION



DRAWN BY: V.Vavilikolane, 11/5/18 CHECKED BY: W.Berrocal, 11/14/18 K.Davis, 11/13/18

DKS Module Customer Drawing

PROJECT # 181030-5 SHEET 4 OF 4 1:10

DRAWING NUMBER SCALE В 9630-20-DKS REVISION 04