WK2A Technical Data

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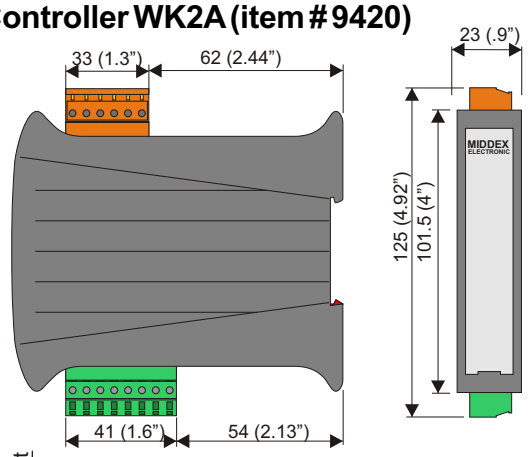
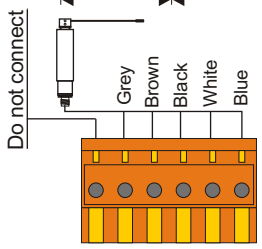
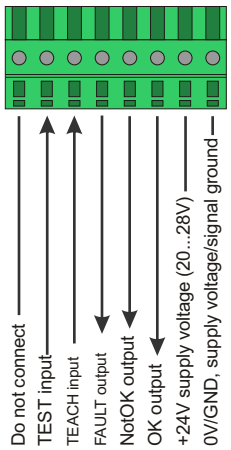
Controller WK2A (item # 9420)





Please note:
Plugs feature spring-cage termination.

Wiring details



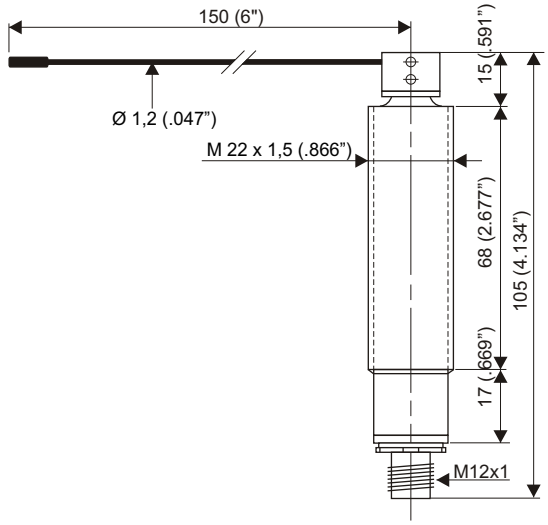
Protection:	IP20
Interference susceptibility:	to EMV specs, carries CE logo
Mounting:	EN rail (DIN rail)
Supply voltage Ub:	20-28VDC
Power draw:	typically 5W (no output loads)
Output (# 4, # 5, # 6):	solid state pnp outputs switching to +24V 10kΩ to 0V npn outputs switching to 0V 10kΩ to 24V
Output current load:	100mA maximum, 1 min. short protected
Temperature range:	0° to +50°C (32° to 122°F)
Input signal voltage:	18 to 30VDC, 5mA opto-decoupled, diode protected against x-wiring
Input resistance:	approximately 1.5kΩ

Please Note:
The WK2A system from Middex allows a PLC to take control of the duration of the output signals. As long as the TEST signal is active, the resulting outputs remain high. Once the TEST signal drops, the output signals drop as well. With "latch" on, the output signals will be left on until the next TEST cycle starts. The WK2A outputs are short protected. Outputs from several units may be combined to a single input at the PLC. Combine only the NotOk outputs since a single unit detecting a broken tool will trigger a machine stop.

Typical cycle times

Scanning angle 30°:	150ms
Scanning angle 90°:	220ms
Scanning angle 180°:	280ms

Sensor WK2 (item # 9401)



Sensor body:	Special steel chromed
Protection:	IP68
Protection connector plug:	IP67
Interference susceptibility:	to EMV specs, carries CE logo
Probe length:	standard 150mm (6")
Scanning angle:	maximum 270° in both directions
Scanning:	potential free
Smallest tool diameter:	approximately 0.3mm
Temperature range:	0° to +70°C (32° to 158°F)
Maximum shaft loads:	radial 100N, axial 5N

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