EX EXPLOSION PROOF

SERIES 20, 80-110



EXD SERIES FOR USE IN HAZARDOUS AREAS

- Available from 20Nm, 80Nm and 110Nm Torque Outputs
- Rugged aluminium enclosure, compact design
- On Off, Failsafe and Modulating functionality available
- Suitable for use in Zone 1 - 2 applications
- Available from stock in UK
- Exd IIB T6 Gb; Ex tD A21 IP68 T80C

Version 001: 3/11/22 subject to change without notice

AVA EX Series 20: *On Off, Failsafe and Modulating Functionality available*	
Torque Output:	25Nm Break Torque, 20Nm run torque.
Voltages available:	24VAC/DC or 95-265VAC only currently.
Housing/ ISO 5211:	Aluminium housing IP67. - F03/05 x 11mm output drive. 0.8m pre wired flying lead as standard for wiring.
Run Time:	Standard operating time is around 12 seconds.
Standard Features:	End of travel confirmation or 4-20mA feedback for Modulating actuators. Manual override, internal heater.







AVA EX Series 80-110: *On Off, Failsafe and Modulating Functionality available*	
Torque Output:	Series 80: 90Nm Break Torque, 80Nm run torque / Series 110: 140Nm Break Torque, 110Nm Run Torque
Voltages available:	24VAC/DC or 95-265VAC only
Housing/ ISO 5211:	Aluminium housing IP67, F05/07 x 17mm output drive. Wiring box for electrical connection.
Run Time:	Standard operating time is around 12 seconds.
Standard Features:	End of travel confirmation or 4-20mA feedback for Modulating actuators. Manual override, internal heater.







Technical Support: +44(0)1386 556847 | **technical@avactuators.co.uk**

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COMPACT DESIGN

Our EXD electric actuators offer something new for the hazardous area market. Offering a unique compact, yet rugged design, in keeping with the AVA design. Available as either actuator only or combined with a suitable EXD rated ball or butterfly valve. Can also be used with quarter turn dampers.



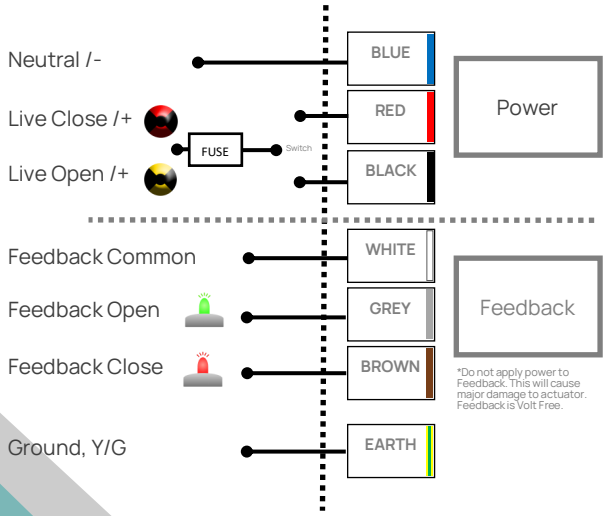
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Please note that our actuators have approval by EXD Test house in Asia. The actuator will be approved for ATEX and UL/CSA in the near future.

Standard On Off, Failsafe and Hi-Speed Open/Close Wiring: Additional wiring options available online.

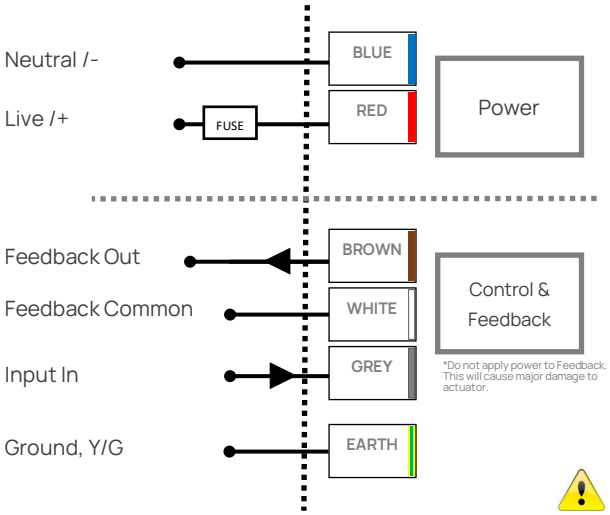


Failsafe versions have internal capacitor, this is charged whilst power is applied. When power is removed, the actuator will close or open depending on what you have ordered. Re-apply power and the capacitor will charge again and is always being charged when power is applied. When actuator is powered, heater is working.



*Failsafe via internal super capacitor

Standard Modulating including Failsafe and Hi-Speed Wiring: Additional wiring options available online.



Note that Black is not used as standard unless Alarm Relay option is selected. Separate wiring schematic available for actuators with alarm. For Series 10, you must order the specific Control you require, you cannot select between Control input via firmware as you can with Series 50-400.

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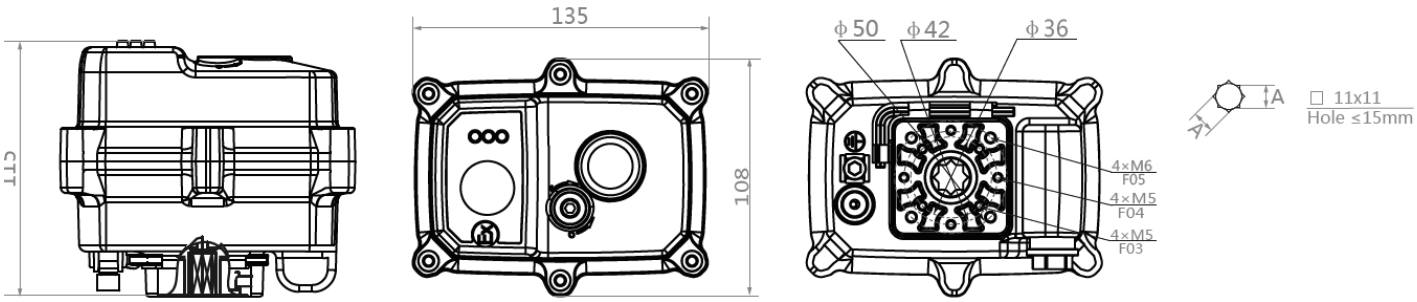
SERIES 20, 80-110

SERIES 20 DIMENSIONS

Our most popular product for safe area applications is also available in an EXD version for use in hazardous areas. Compact, rugged actuator offering 20Nm torque output and available in various functions. Note that the 20EX series is only available with an 11mm output drive and also has a flat window top as standard.



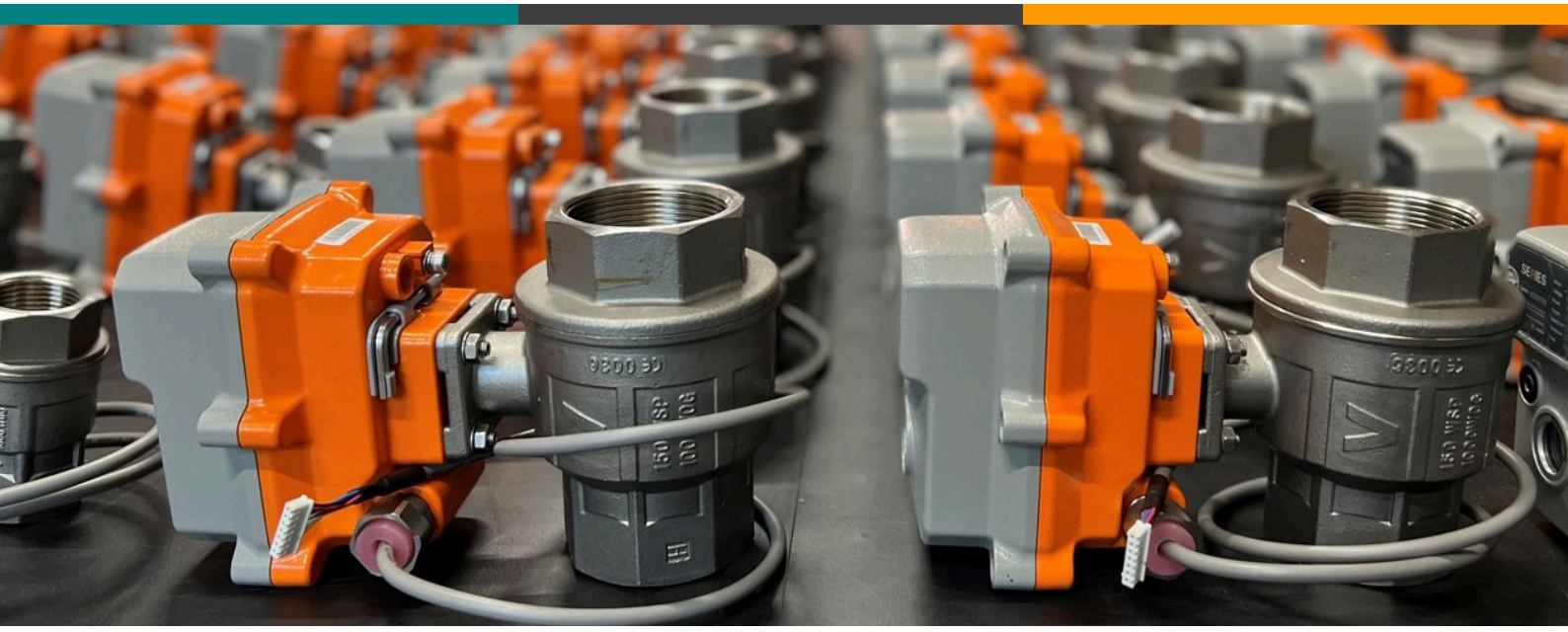
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SERIES 20EX WIRING CONNECTION:

All of our Series 20 EX actuators come with a prewired cable as shown in the photo below, we recommend the all EX actuators are connected on site by electrical engineers with experience working with products in hazardous zones. Our actuators require terminating an EX suitable junction box or directly into a PLC.



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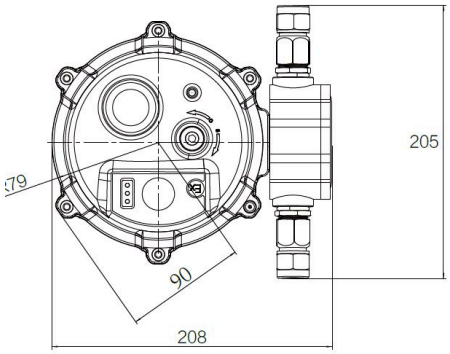
SERIES 80-110 DIMENSIONS

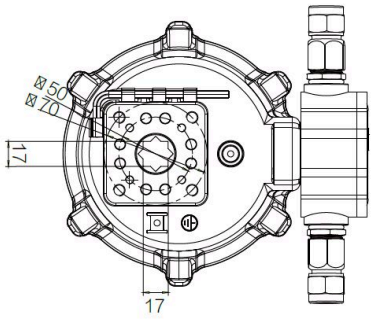
Brand new addition to our EXD series of actuators, the extended torque range of 80-110Nm covers most ball valve applications for flanged and screwed, upto 4"/DN100.

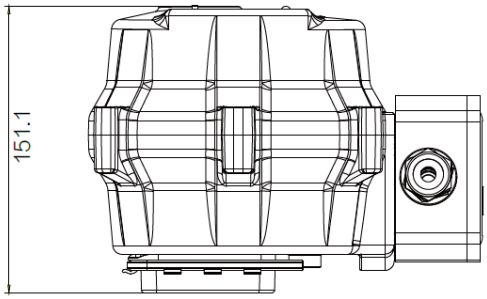
A stunning new design with cable gland entry wiring box.



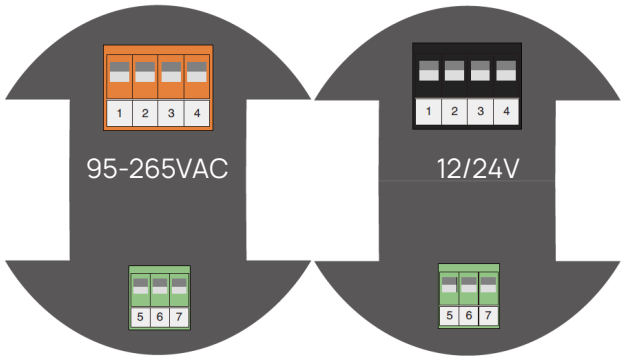
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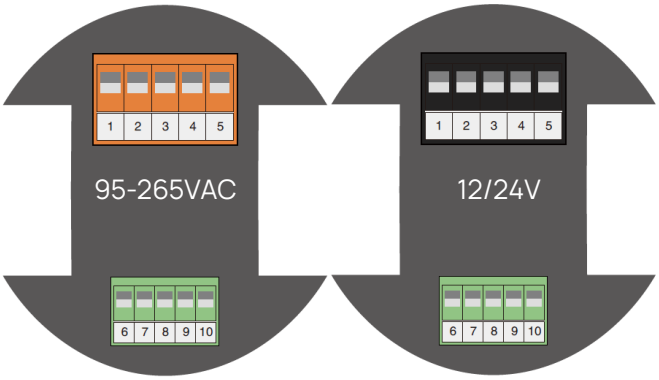




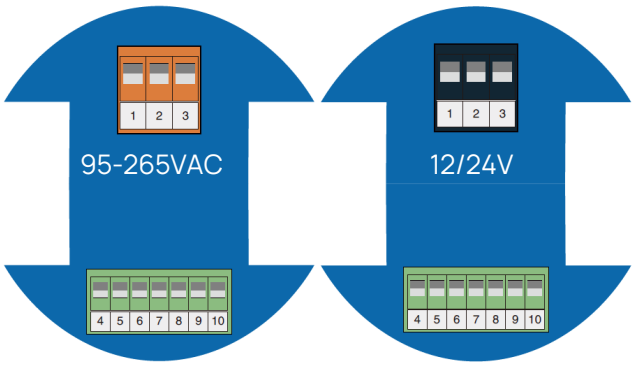
BASIC SERIES ON OFF WIRING CONNECTION:



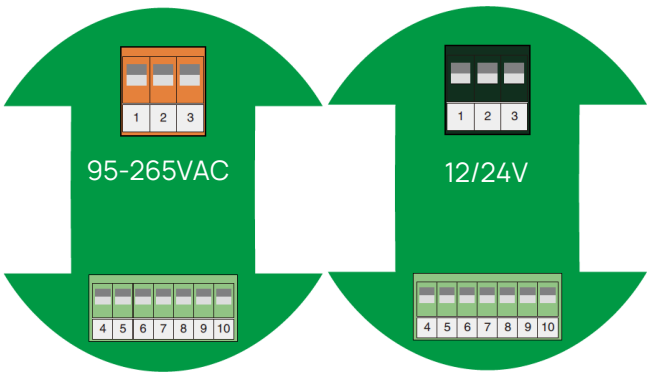
SMART SERIES ON OFF WIRING CONNECTION:



MODULATING WIRING CONNECTION:



MODBUS WIRING CONNECTION:



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