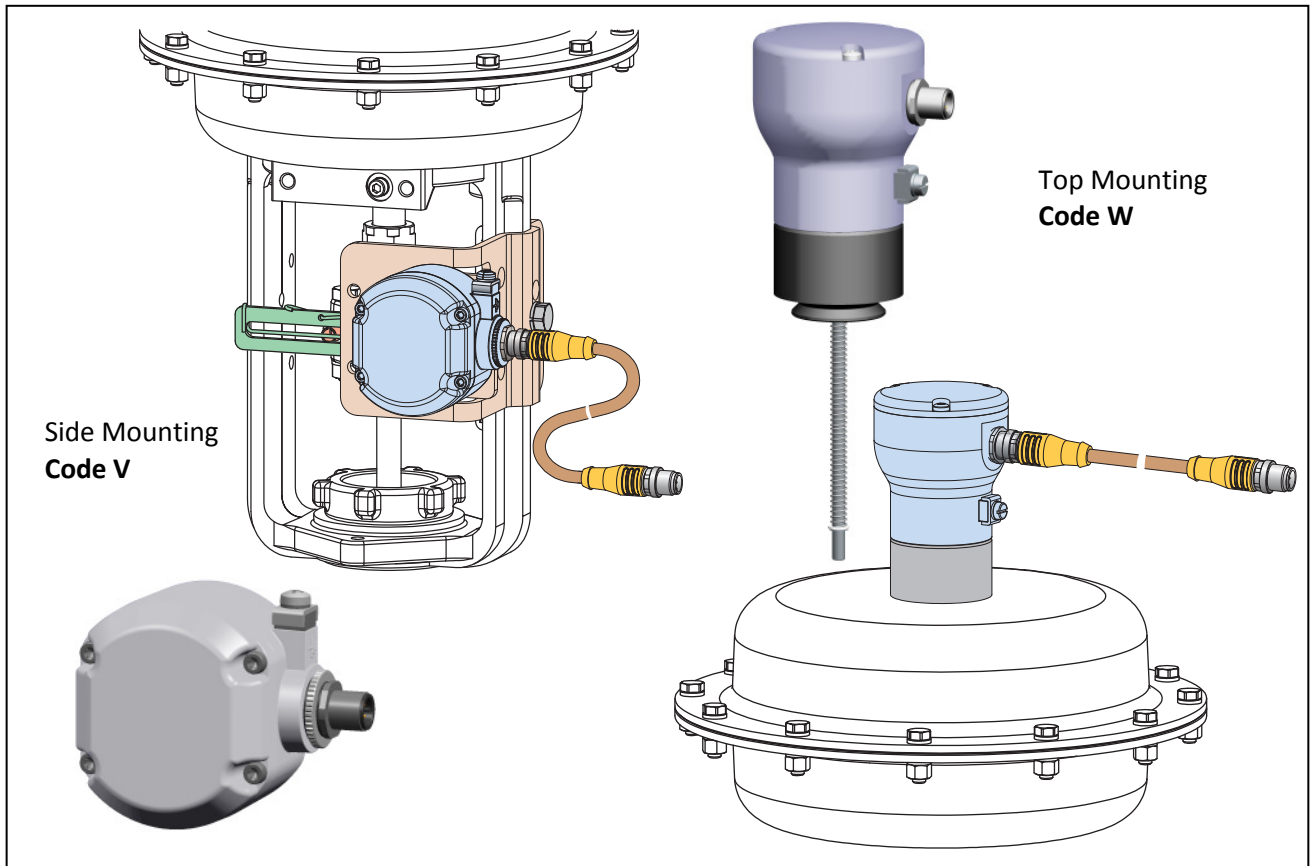


RMU998 Remote Mounting Unit
for Intelligent Positioners SRD998, and SRD991
Code V for Side Mounting, Code W for Top Mounting



The RMU998 Remote Mounting Unit is the solution for valve / actuator applications in harsh environments, such as operating the valve at very low or very high temperatures and high vibration.

The position of the actuator is determined by an external potentiometer in the RMU998 and transmitted to the positioner, which is mounted in a protected environment.

FEATURES

- Robust Plastic Conductive Potentiometer
- Versions for Side or Top Mounting to actuator
- Housing in Aluminum
- Ambient Temperature $-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$
- Electrical Certification Ex ia, Intrinsic safety
- Ingress Protection IP66

Equipment should be installed, operated, serviced, and maintained only by qualified personnel.

No responsibility is assumed by Schneider Electric for any consequences arising from the use of this material.

SPECIFICATIONS Code V

Principle	5 kOhm, 3 wires Plastic Conductive Potentiometer
Housing material	Aluminum
Rotation angle	up to 95 ° (±47.5 °) up to 120 ° (± 60 °) on request
Connector	M12, with 5 pins
Cable length	3 m (10 m)
For use with.....	SRD998, SRD991
Ambient Temperature	-40 °C to +85 °C, other ranges see Model Code
Ingress Protection	IP66
Vibration resistance.....	

Electrical Certification

The electrical certification of the RMU998 is linked with the certificate of the SRD998 or SRD991. If you connect the RMU998 with another positioner than SRD998 or SRD991, no certification exists. Then please order the RMU998 unit with Electrical Certification ZZ = without certification.

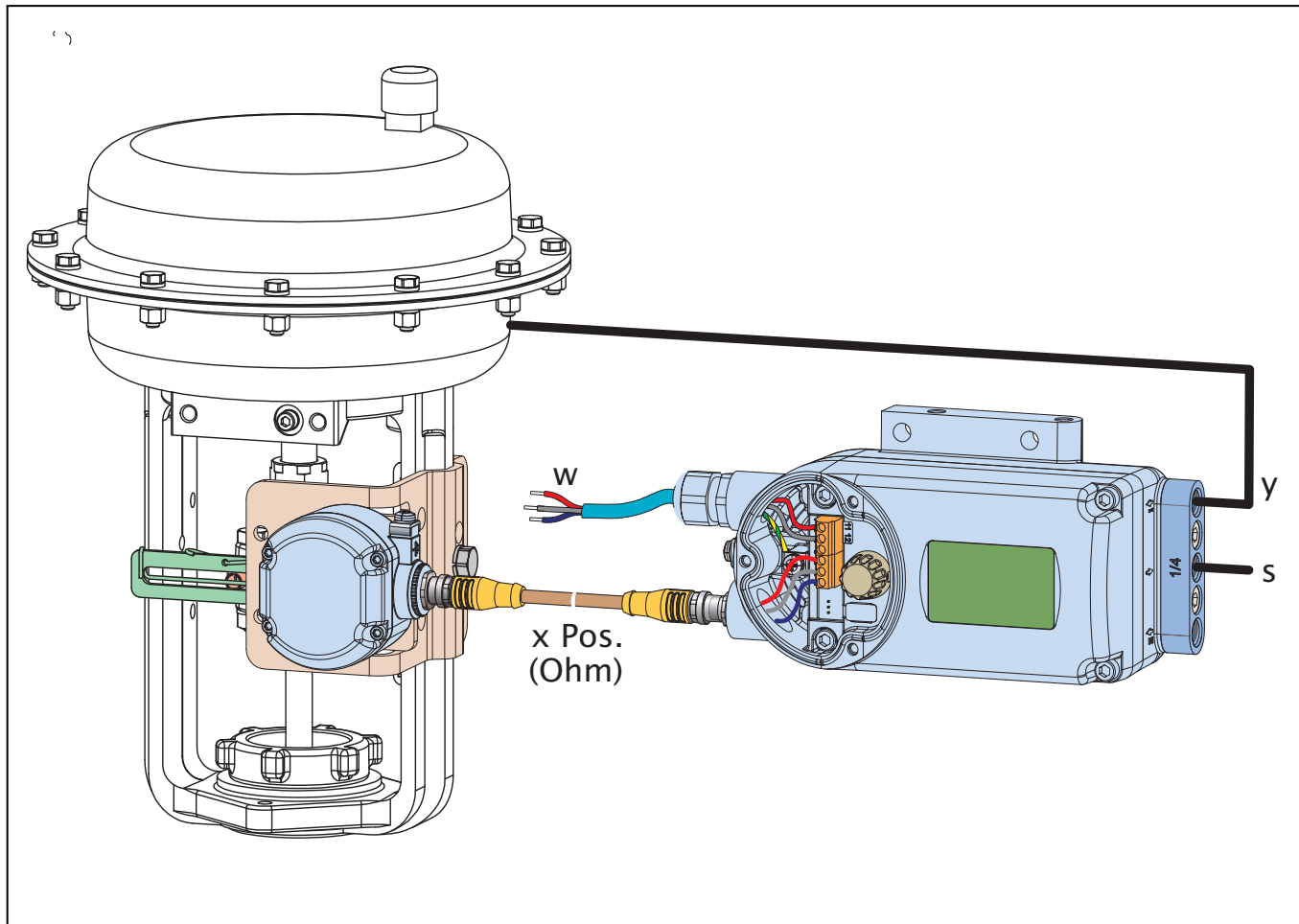
Electromagnetic compatibility EMC

Operating conditions	industrial environment
Immunity according to	
EN 61326.....	fulfilled
IEC 61326	fulfilled
EN 61000-6-2.....	fulfilled
Emission according to	
EN 61326	
Class A and Class B	fulfilled
EN 61000-6-4.....	fulfilled
EN 55011 Group 1, Class A and Class B	fulfilled
NAMUR recommendation	
EMV NE21	fulfilled

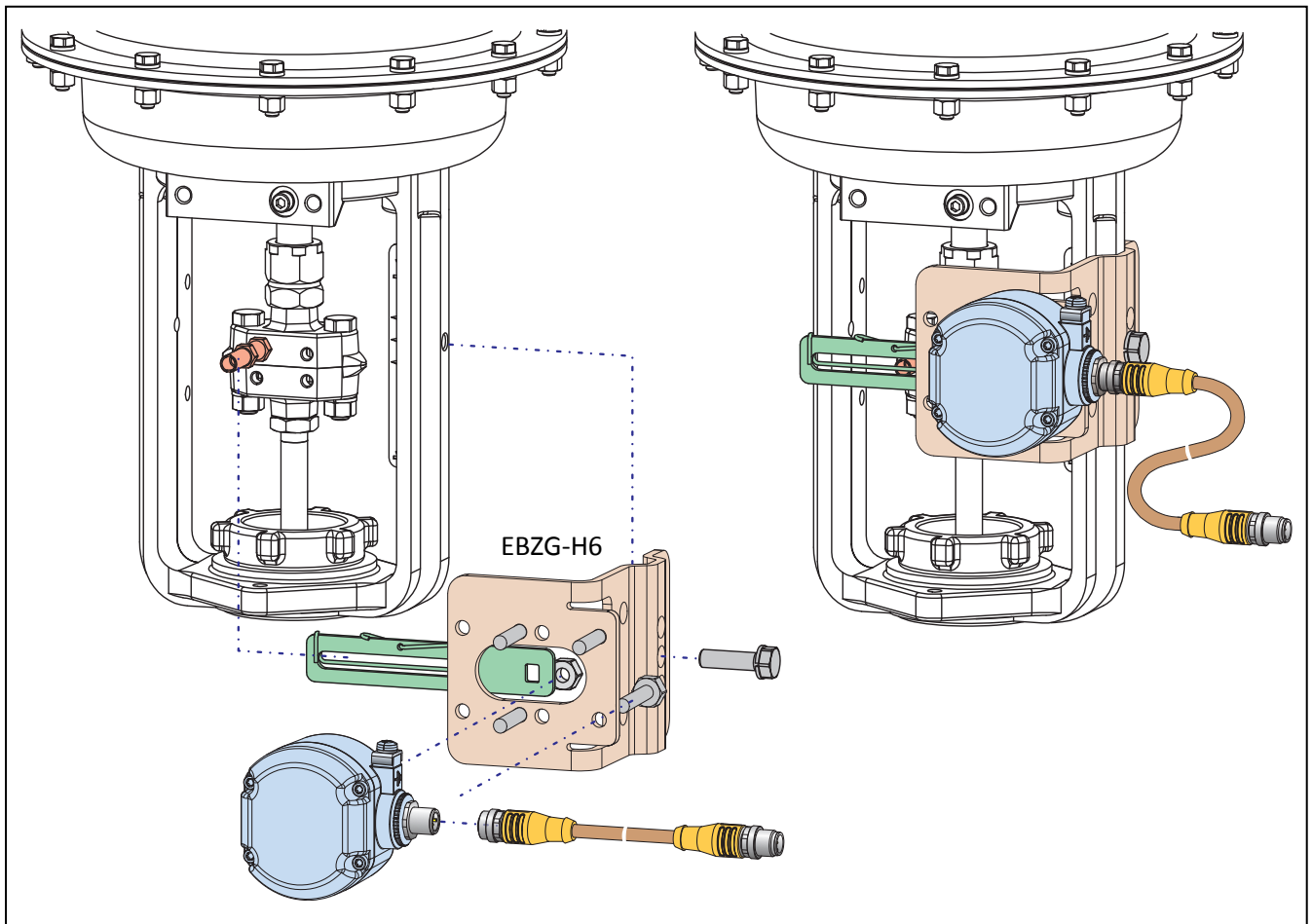
FUNCTION

The external Potentiometer RMU998 is side mounted to the actuator and electrical connected to the positioner. So, the positioner can be mounted in a less stressed environment (recommended at very high or low temperature and vibration influence).

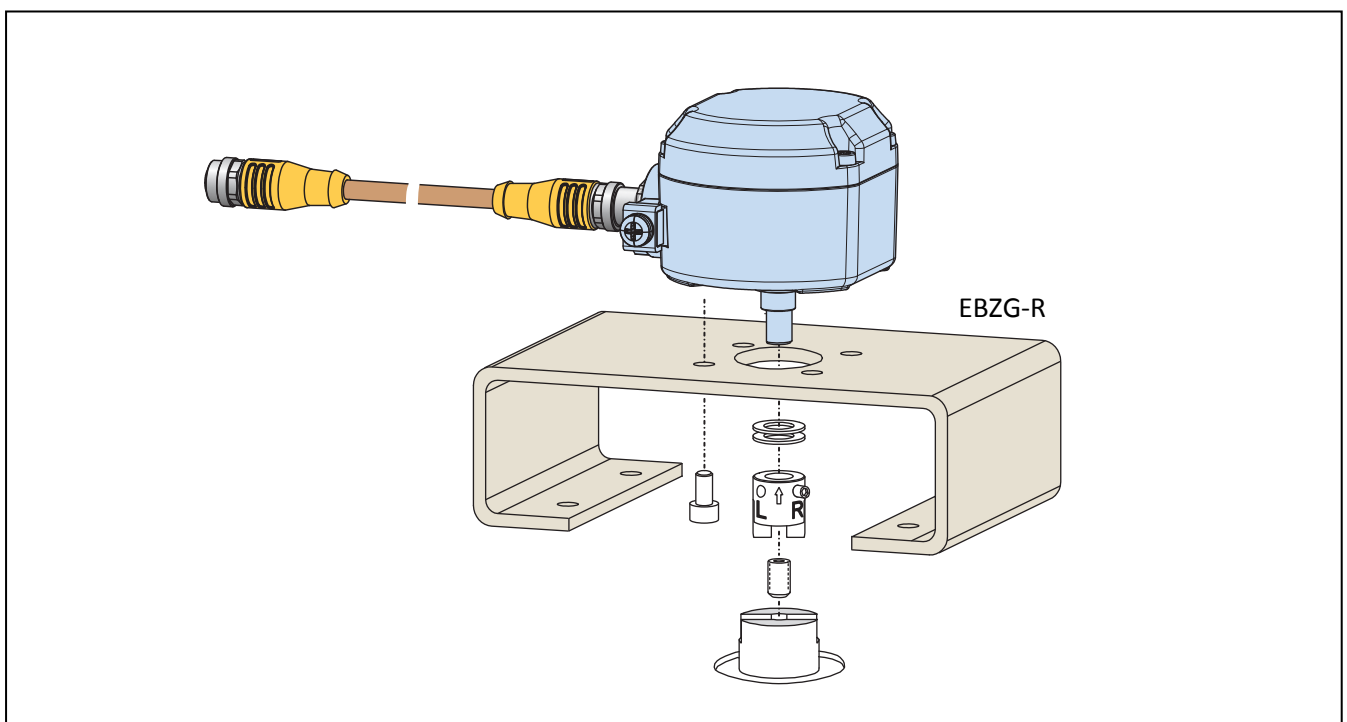
DESIGN, CODE V



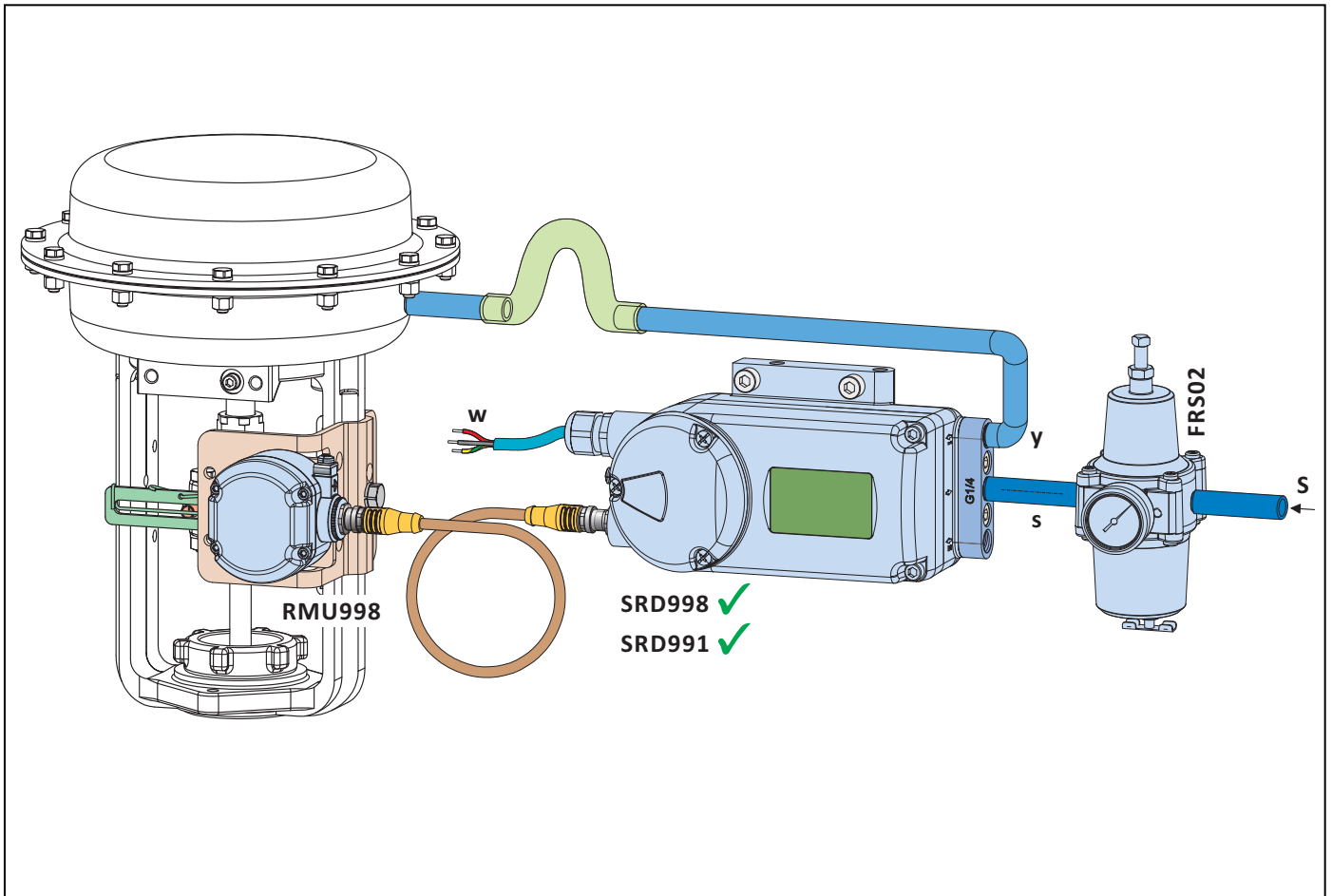
MOUNTING TO LINEAR ACTUATORS



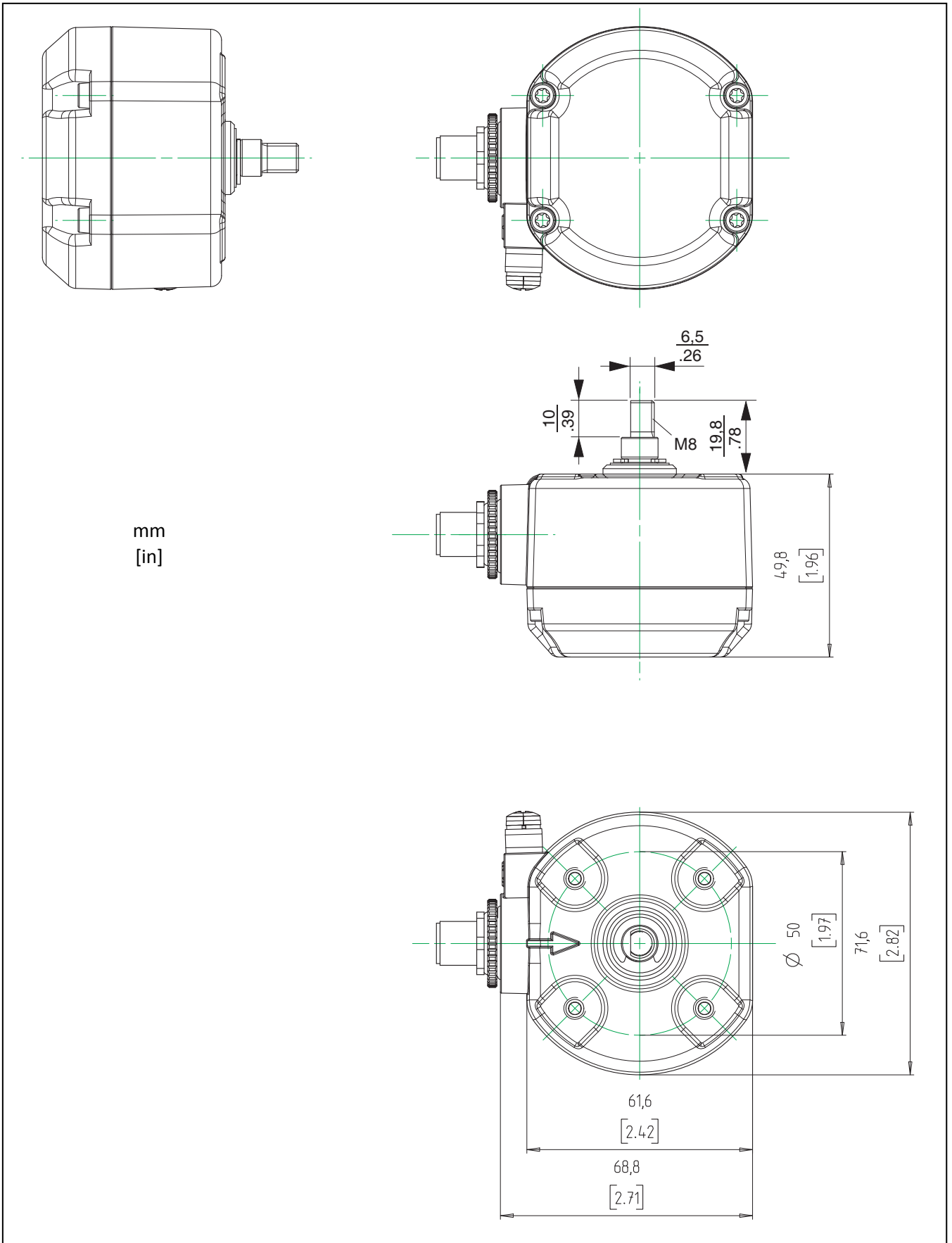
MOUNTING TO ROTARY ACTUATORS



TYPICAL APPLICATION, CODE V



DIMENSIONS for SIDE MOUNTING, CODE V



SPECIFICATIONS Code W

Principle	5 kOhm, 3 wires Plastic Conductive Potentiometer
Housing material	Aluminum
Stroke	up to 50 mm (2 inch)
Connector	M12, with 5 pins
Cable length	3 m (10 m)
For use with.....	SRD998, SRD991
Ambient Temperature	-40 °C to +85 °C, other ranges see Model Code
Ingress Protection	IP66
Vibration resistance.....	

Electrical Certification

The electrical certification of the RMU998 is linked with the certificate of the SRD998 or SRD991. If you connect the RMU998 with another positioner than SRD998 or SRD991, no certification exists. Then please order the RMU998 unit with Electrical Certification ZZ = without certification.

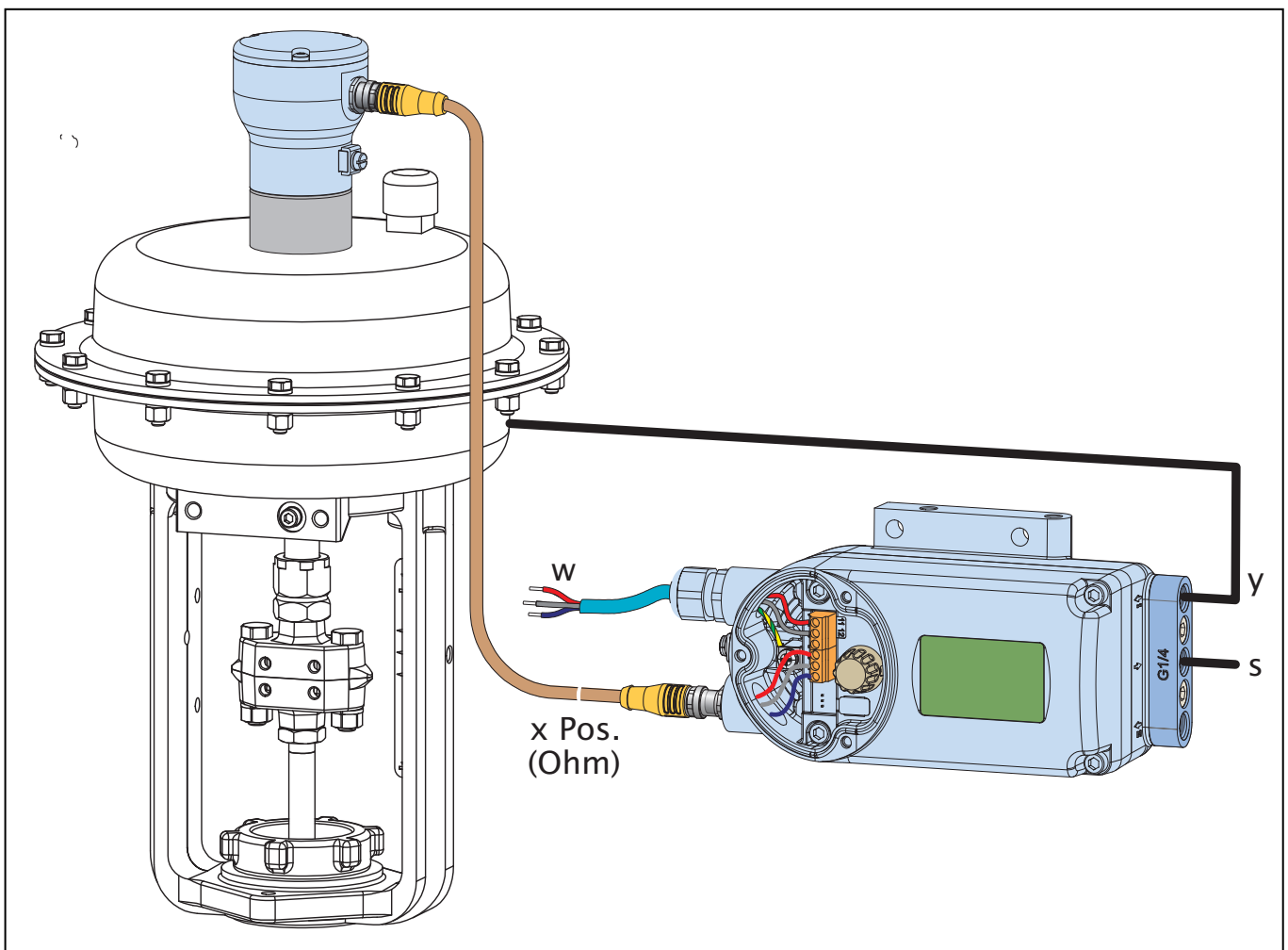
Electromagnetic Compatibility EMC

Operating conditions	industrial environment
Immunity according to	
EN 61326.....	fulfilled
IEC 61326	fulfilled
EN 61000-6-2.....	fulfilled
Emission according to	
EN 61326	
Class A and Class B	fulfilled
EN 61000-6-4.....	fulfilled
EN 55011 Group 1, Class A and Class B	fulfilled
NAMUR recommendation	
EMV NE21	fulfilled

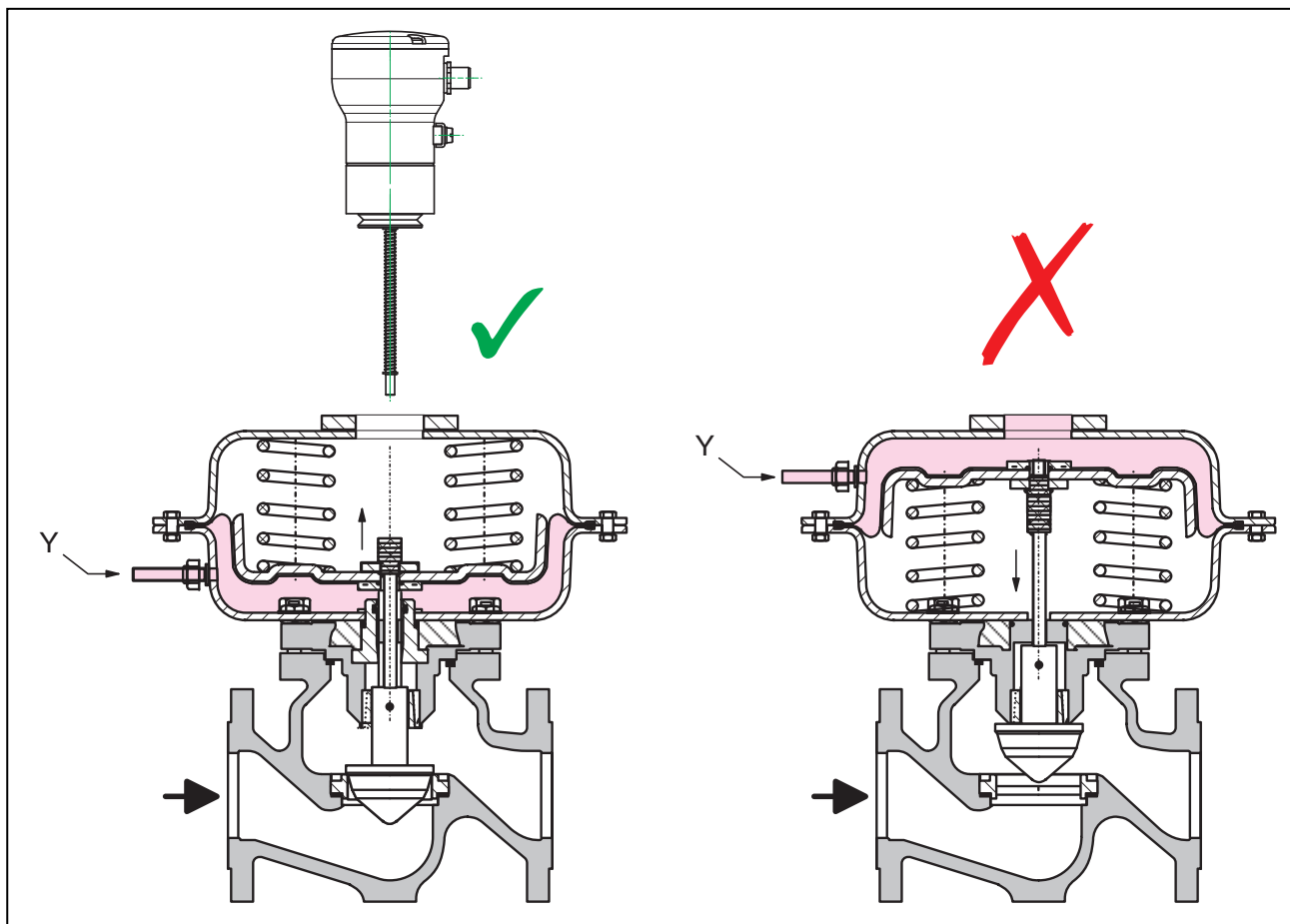
FUNCTION

The external Potentiometer RMU998 is top mounted to the actuator and electrical connected to the positioner. So, the positioner can be mounted in a less stressed environment (recommended at very high or low temperature and vibration influence).

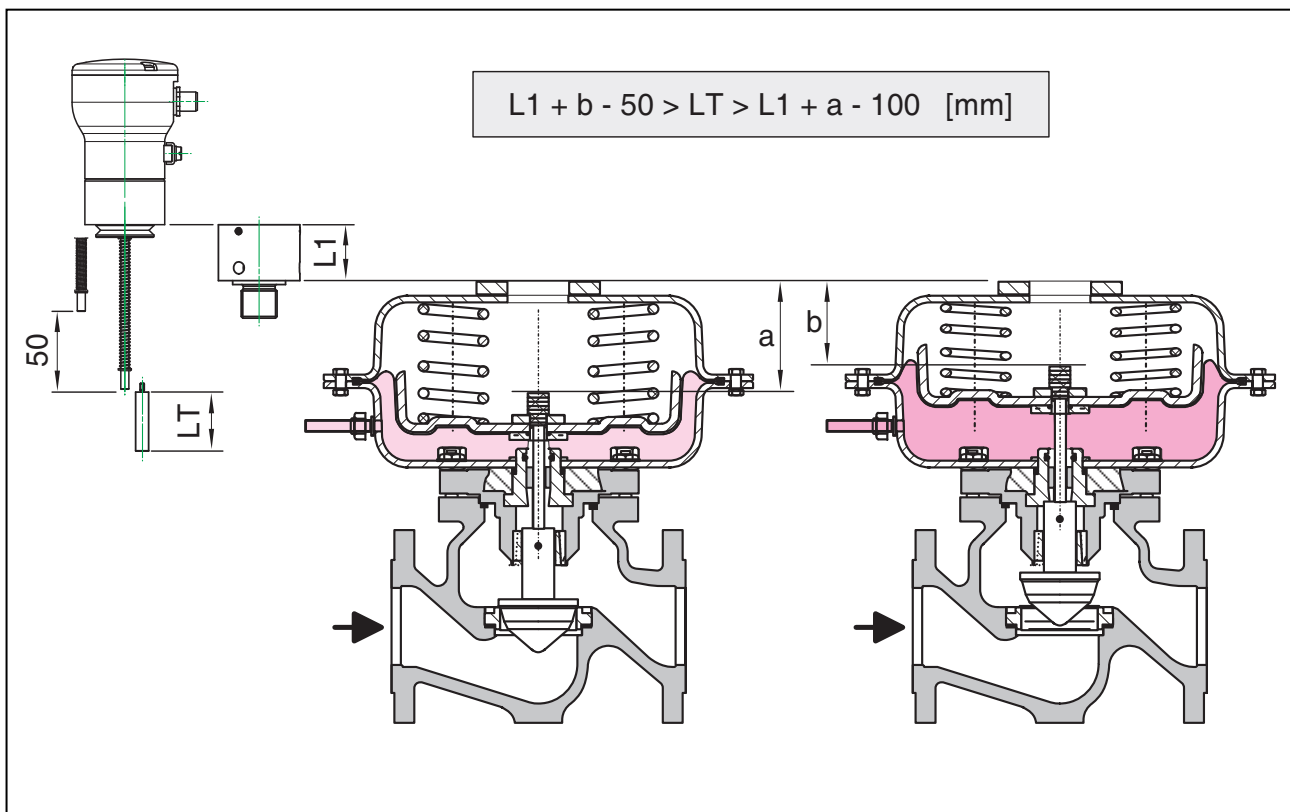
DESIGN, CODE W



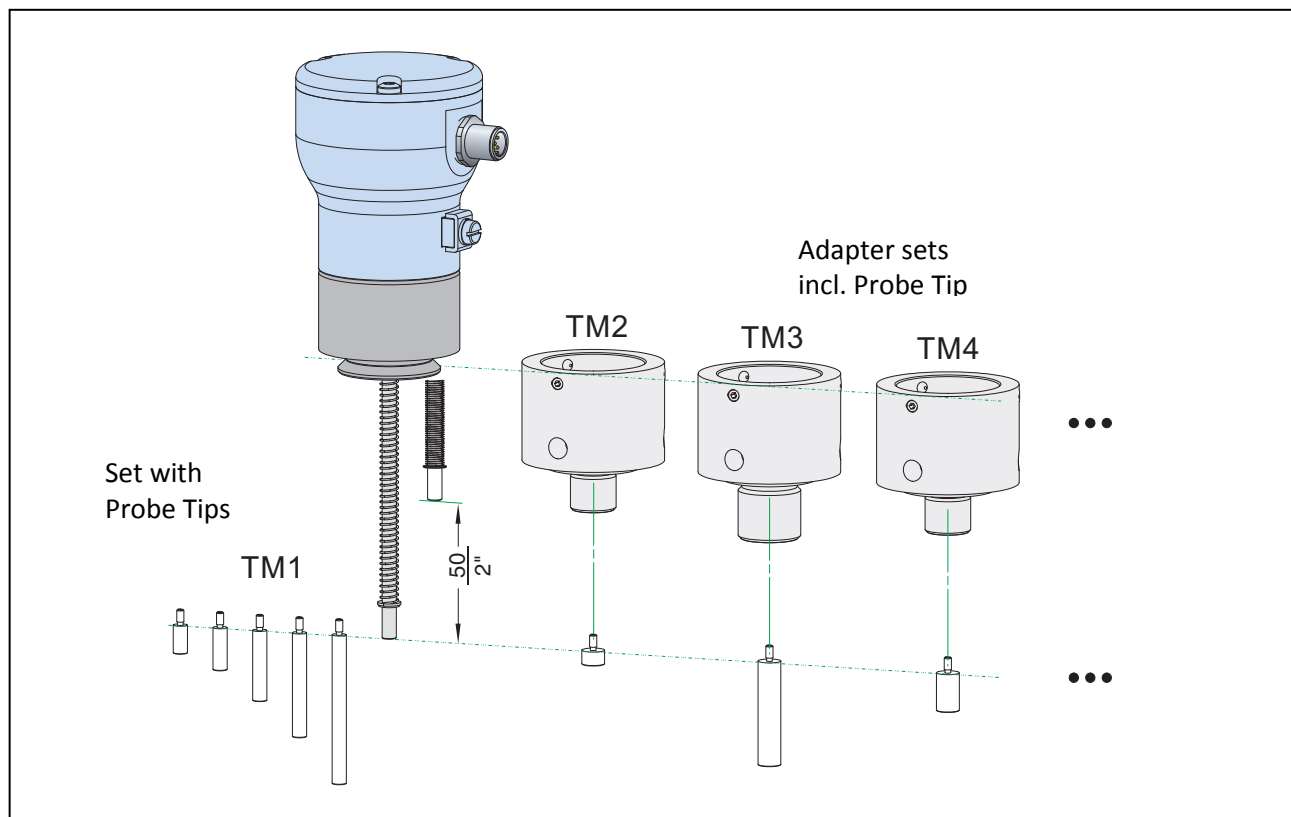
USABILITY The upper chamber must be depressurized.



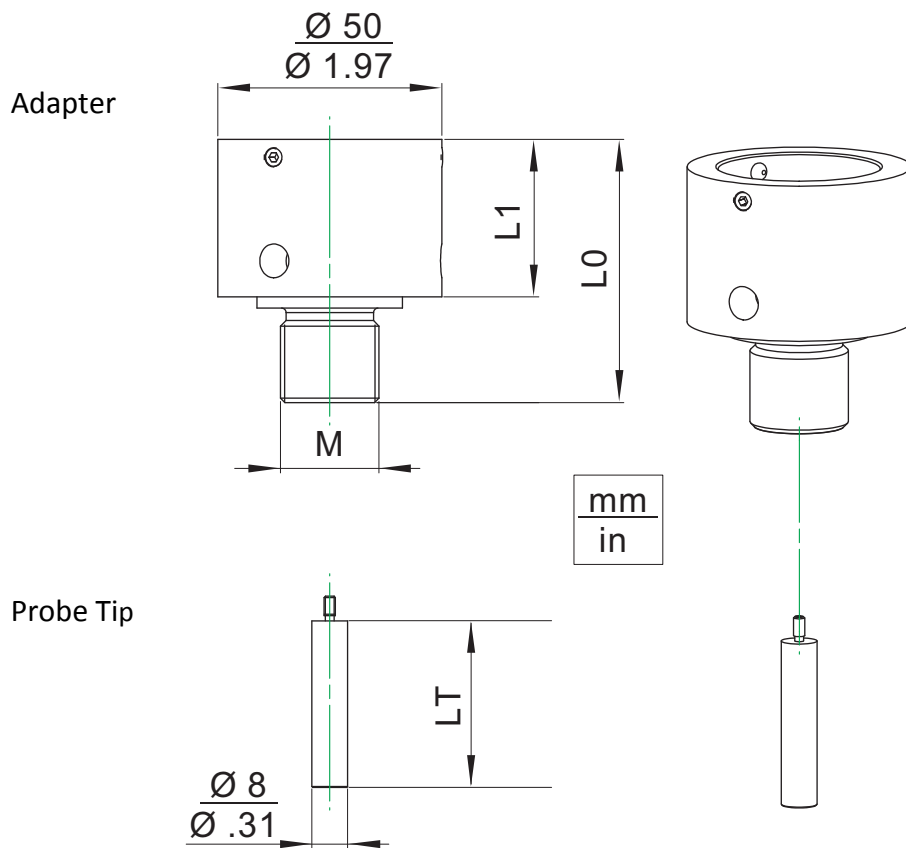
SELECTING ADAPTERS AND PROBE TIPS



MOUNTING COMBINATIONS



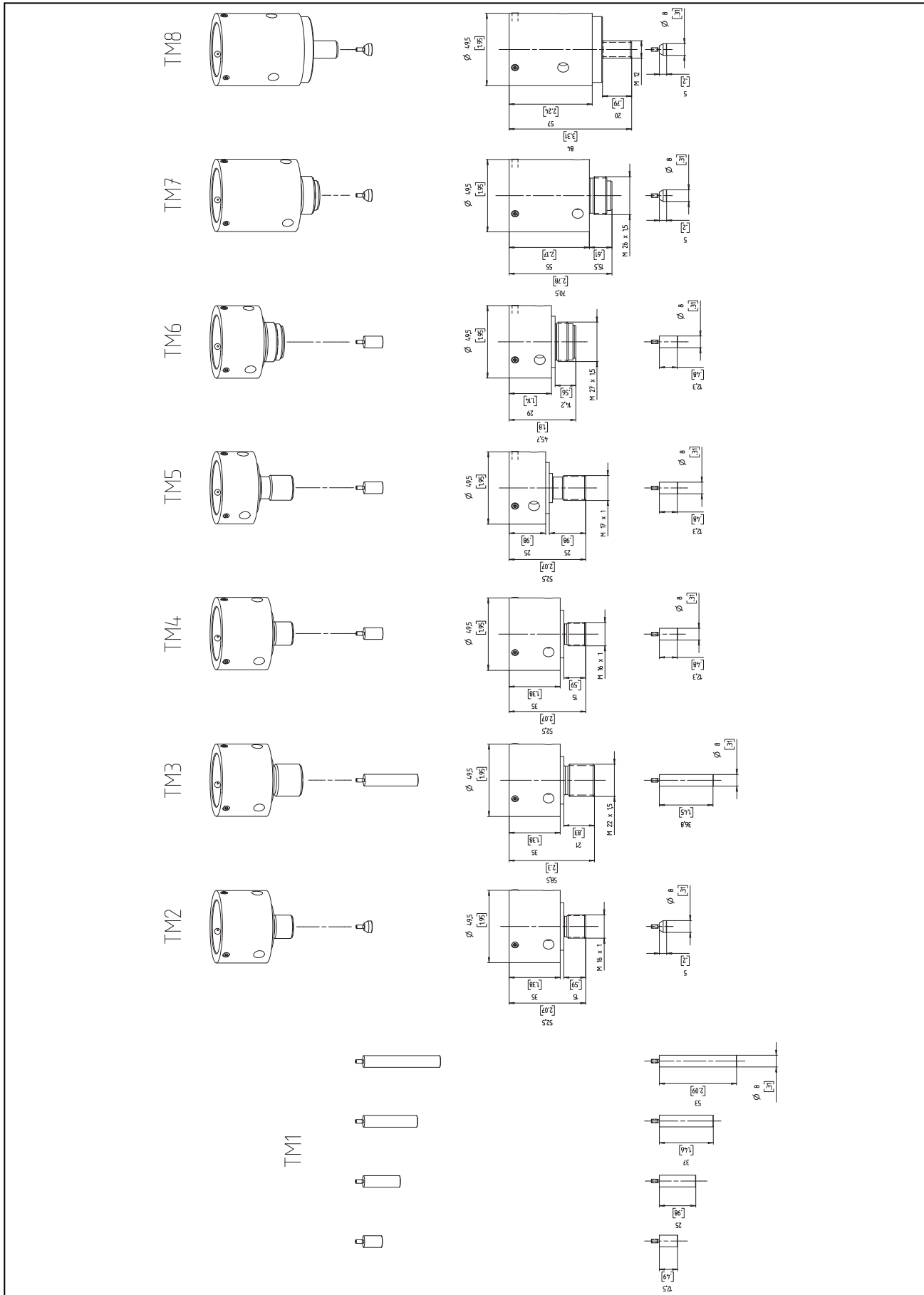
MAIN DIMENSIONS AND APPLICATIONS Adapters and Probe Tips



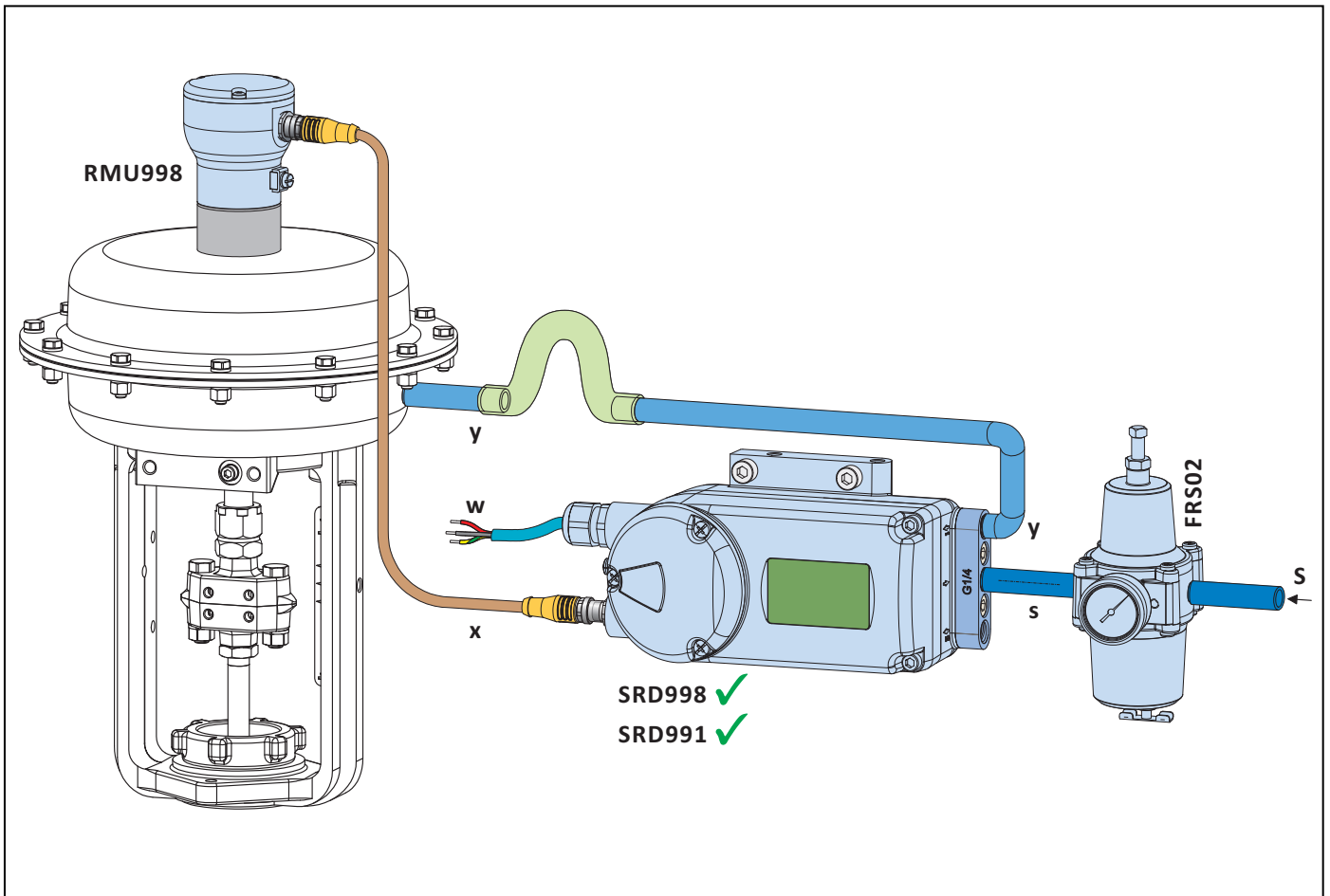
Assy Name EBZG-... designed for ...	Adapter			Probe Tips
	Thread M	L0 mm / inch	L1 mm / inch	LT mm / inch
TM1 GFischer	(TM1 includes a set of Probe Tips but no Adapter)			12.5 / 0.49 25 / 0.98 37 / 1.46 53 / 2.09
TM2 GEMÜ-1	M16x1	52.5 / 2.07	35 / 1.38	5 / 0.2
TM3 GEMÜ-2	M22x1.5	58.5 / 2.3	35 / 1.38	37 / 1.46
TM4 FIP	M16x1	52.5 / 2.07	35 / 1.38	12.5 / 0.49
TM5 ASCO	M17x1	52.5 / 2.07	25 / 0.98	12.5 / 0.49
TM6 OMAL	M27x1.5	45.7 / 1.8	29 / 1.14	12.5 / 0.49
TM7 Bürkert	M26x1.5	70.5 / 2.77	55 / 2.16	5 / 0.2
TM8 Asahi	M12	84 / 3.3	64.5 / 2.54	5 / 0.2

Further applications on request

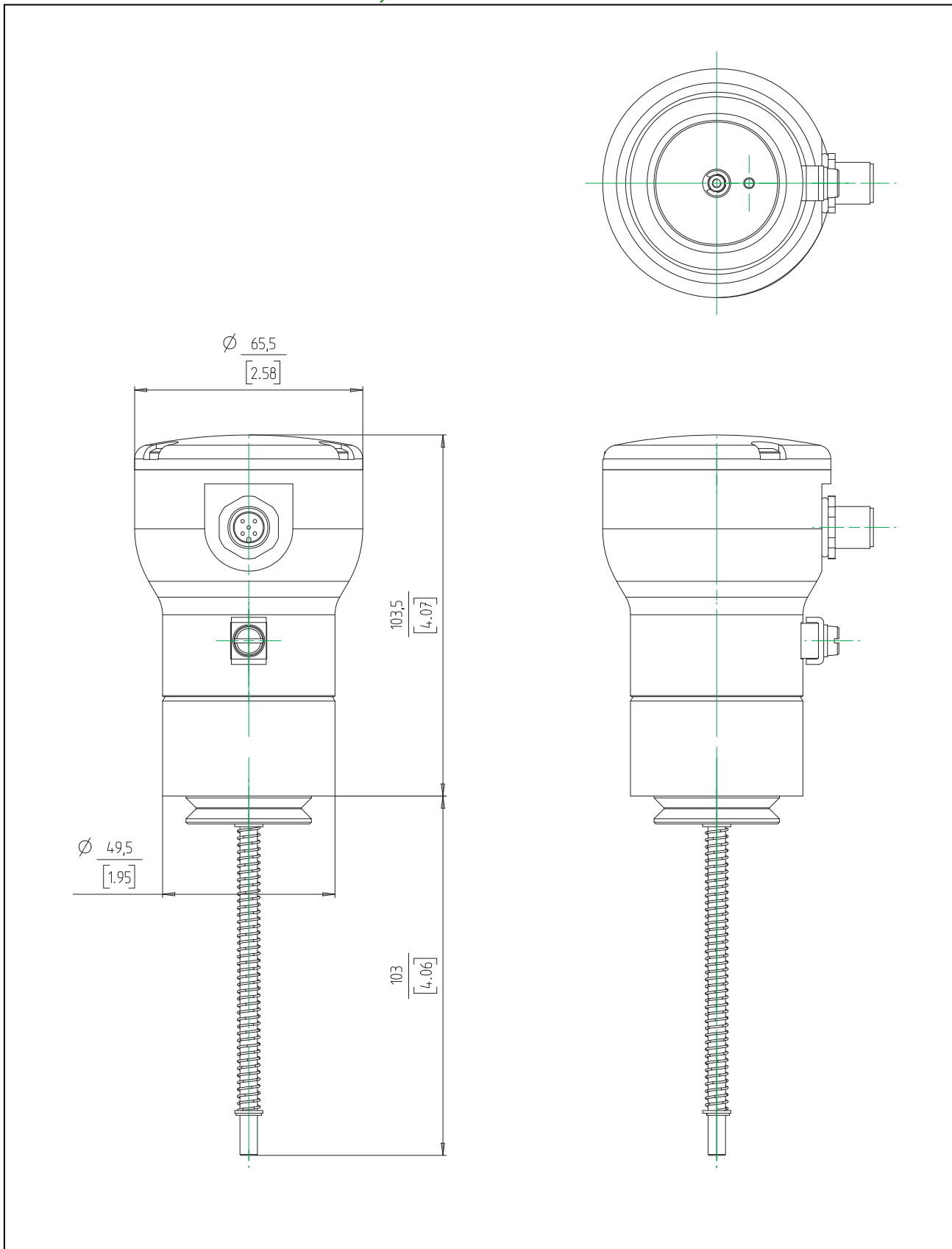
DIMENSIONS Adapters and Probe Tips



TYPICAL APPLICATION, CODE W



DIMENSIONS for TOP MOUNTING, Code W



MODEL CODES RMU998

160419

Remote Mounting Unit for Intelligent Positioner SRD99x		RMU998						
Remote Unit Type								
Side mounting remote potentiometer unit	.....(a).....	- V						
Top mounting remote potentiometer unit	.....(a).....	- W						
Housing								
Aluminum housing	.....(a).....	A						
Cable Length								
with 3 m cable length	.....(a).....			1				
with 10 m cable length	.....(a).....			2				
Temperature range								
for -55 to +80°C ambient Temperature	.....(a).....					L		
for -40 to +85 °C ambient Temperature	.....(a).....					S		
for -20 to +120°C ambient Temperature	.....(a).....					H		
Electrical connection								
Fixed wiring with M20 plastic cable gland	.....(a).....						7	
with M12 cable gland connector	.....(a).....						8	
Electrical certification								
without certification as simple component (not paired)	.....(a).....							ZZ
without certification, paired with SRD998	.....(a).....							Z1
without certification, paired with SRD991	.....(a).....							Z2
ATEX/IECEX Linked with SRD998 Certificate	.....(a).....							A1
ATEX/IECEX Linked with SRD991 Certificate	.....(a).....							A2
NEPSI Linked with SRD998 Certificate	.....(a).....							N1
NEPSI Linked with SRD991 Certificate	.....(a).....							N2
INMETRO Linked with SRD998 Certificate	.....(a).....							B1
INMETRO Linked with SRD991 Certificate	.....(a).....							B2
FM Linked with SRD998 Certificate	.....(a).....							F1
FM Linked with SRD991 Certificate	.....(a).....							F2
CSA Linked with SRD998 Certificate	.....(a).....							C1
CSA Linked with SRD991 Certificate	.....(a).....							C2
EAC Linked with SRD998 Certificate	.....(a).....							G1
EAC Linked with SRD991 Certificate	.....(a).....							G2
KOSHA Linked with SRD998 Certificate	.....(a).....							K1
KOSHA Linked with SRD991 Certificate	.....(a).....							K2
TIIS Linked with SRD998 Certificate	.....(a).....							J1
TIIS Linked with SRD991 Certificate	.....(a).....							J2
CNS Linked with SRD998 Certificate	.....(a).....							T1
CNS Linked with SRD991 Certificate	.....(a).....							T2
Options								
Approved for SIL2 / SIL3 application	.....(a).....							-Q
Stainless Steel Label fixed with Wire	.....(a).....							-L
Remote Unit with ECEP	.....(a).....							-X

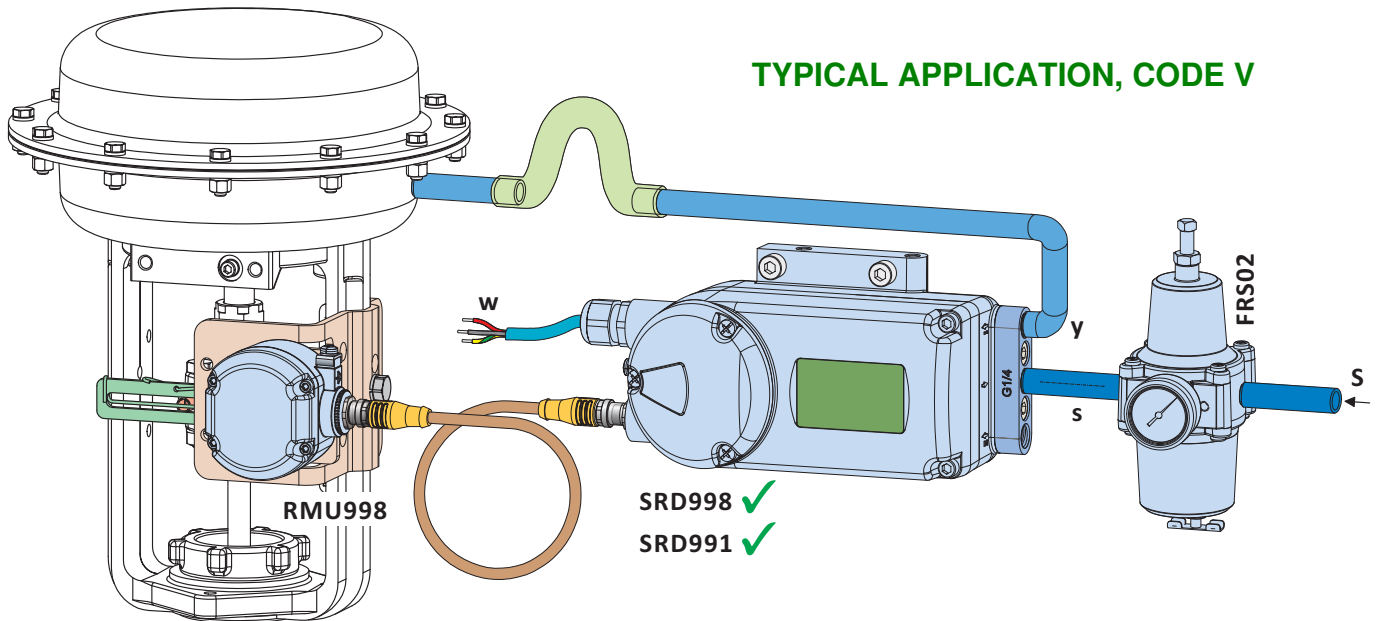
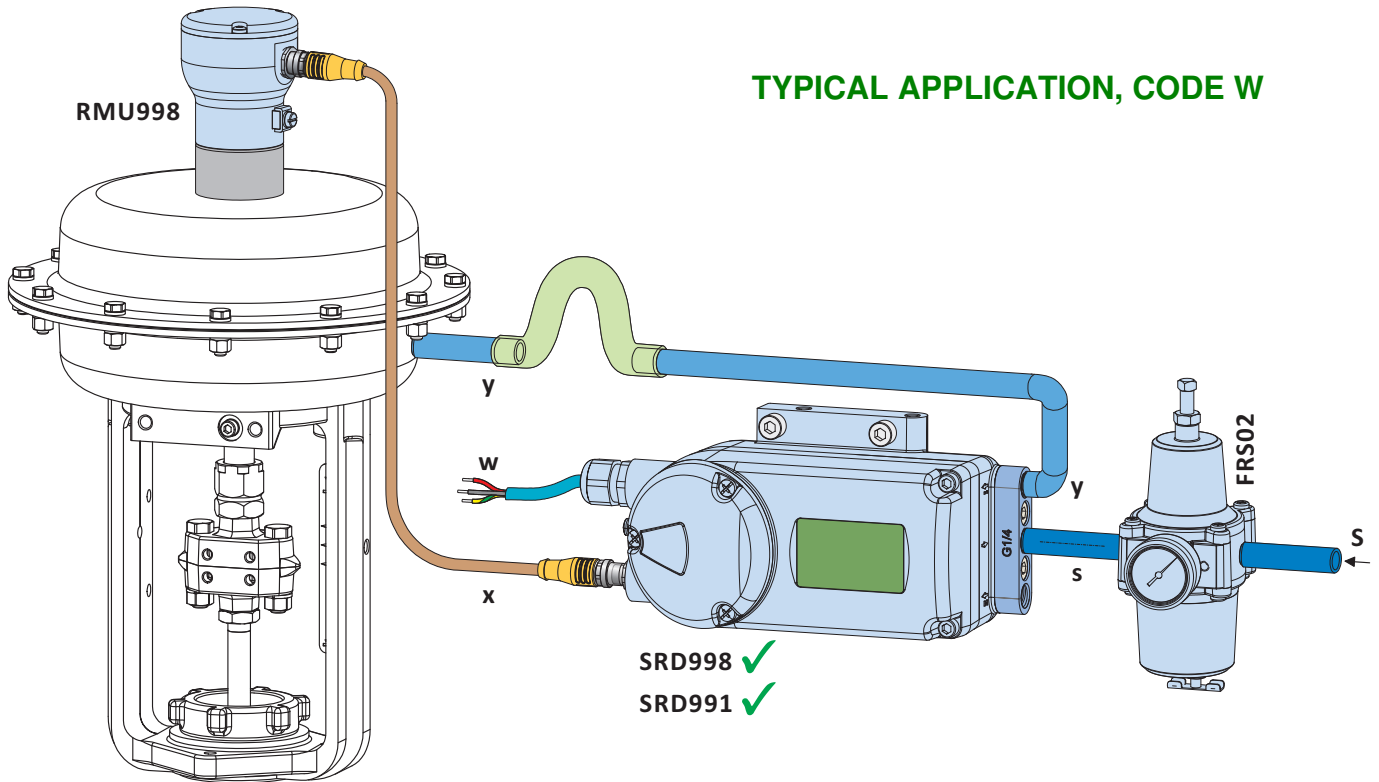
a) Not released

Ordering information

It is recommended to buy an SRD998 or SRD991 with the corresponding RMU998 linked together.

If the RMU998 is ordered with an SRD998 or SRD991 together, the RMU and SRD are calibrated (paired) in the factory to allow optimal performance.

In other cases, when the units are ordered separately, the combination has not the highest possible performance.



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