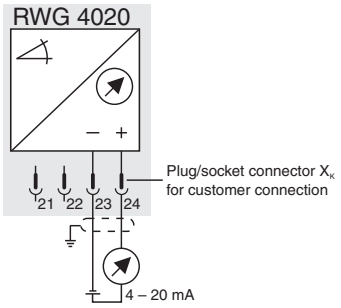
RWG 4020

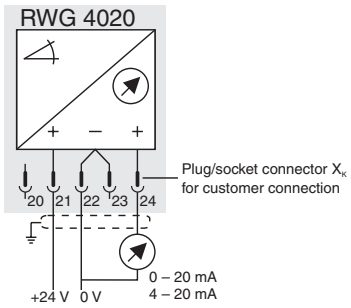
Data	3- or 4- wire system	2-wire system
Output current Ia	0 – 20 mA, 4 – 20 mA	4 – 20 mA
Supply voltage U_V 1)	24 V DC	14 V DC + (I x R_B), max 30 V
Max. current consumption	24 mA at 20 mA output current	20 mA
Max. load R_B	600 Ω	(U_V – 14 V)/20 mA
Influence of the supply voltage	0.1 %/V	0.1 %/V
Load influence	0.1 %/(0 – 600 Ω)	0.1 %/100 Ω
Temperature influence	0.3 ‰/K	
Transmitter potentiometer	5 kΩ	

Wiring

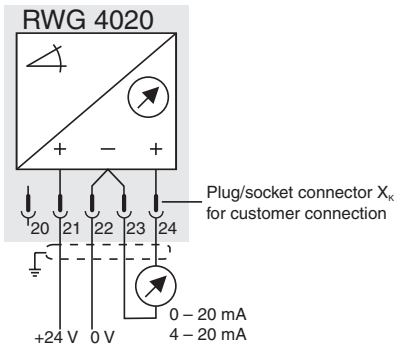
2-wire system

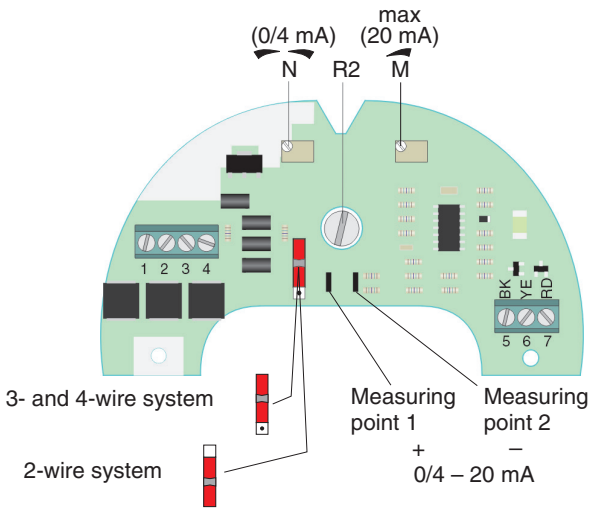


3-wire system



4-wire system





Inverse operation:
For inverse operation interchange connections 7 (red/RD) and 5 (black/BK) at position transmitter board

Setting: Refer to operation instructions for actuator

1) Supply possible via: AUMATIC, AUMA MATIC controls or external power supply

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

Potentiometer

Data	Wire potentiometer	Film potentiometer	Tandem version (wire)
Independent linearity		≤ 1 %	
Resistance value tolerance	+/–5 %	+/–10 %	+/–5 %
Rated power 70 °C	1.5 W	0.5 W	1.5 W
Max. wiper current	30 mA	0.1 mA	30 mA
Lifetime	100,000 cycles	5 million cycles	10,000 cycles
Synchronous operation	–	–	+/–1 %

The position of the valve can be transmitted as a continuous signal by a potentiometer. The potentiometer is installed in the control unit of the actuator.

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