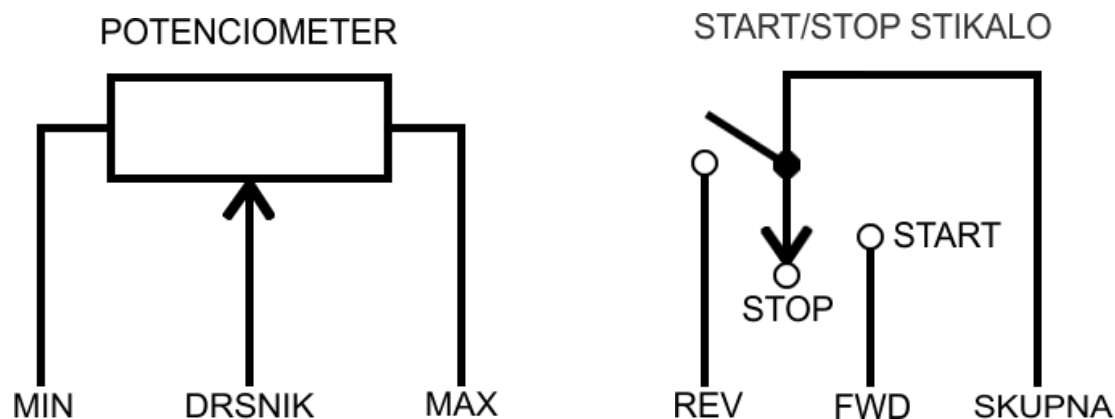


SLO – krmiljenje frekvenčnega pretvornika z zunanjim potenciometrom in stikalom: Siemens Sinamics G120P

Osnovna vezalna shema in pogoji delovanja

Nastavitve parametrov



2 3 1 6 5 9

Krmilne sponke na frekvenčnem pretvorniku

- vrednost potenciometra (linearna karakteristika, najmanj 0.5 W): $\geq 4.7 \text{ k}\Omega$
- med sponki 2 in 4 je potrebno vstaviti prevezavo
- med sponki 28 in 69 je potrebno vstaviti prevezavo
- DIP stikalo AI0 mora biti v položaju U (desno)
- z REV stikalom se izvede spremembo smeri vrtenja osi elektromotorja

Po ponastavitvi parametrov na tovarniške vrednosti (P0010 -> 30 in P0970 -> 1) je potrebno spremeniti naslednje parametre:

- P0003 -> 3
- P0010 -> 1
- P0015 -> 12
- naredi Quick commissioning (glej dokument CU230P-2-v42-en, pdf stran 340)
- definicija reference: P1000 -> 2
- MIN izhodna frekvenca: P1080
- MAX izhodna frekvenca: P1082 in P2000 (analogni vhod)
- čas pospeševanja: P1120
- čas pojemanja: P1121
- P1110 -> 0



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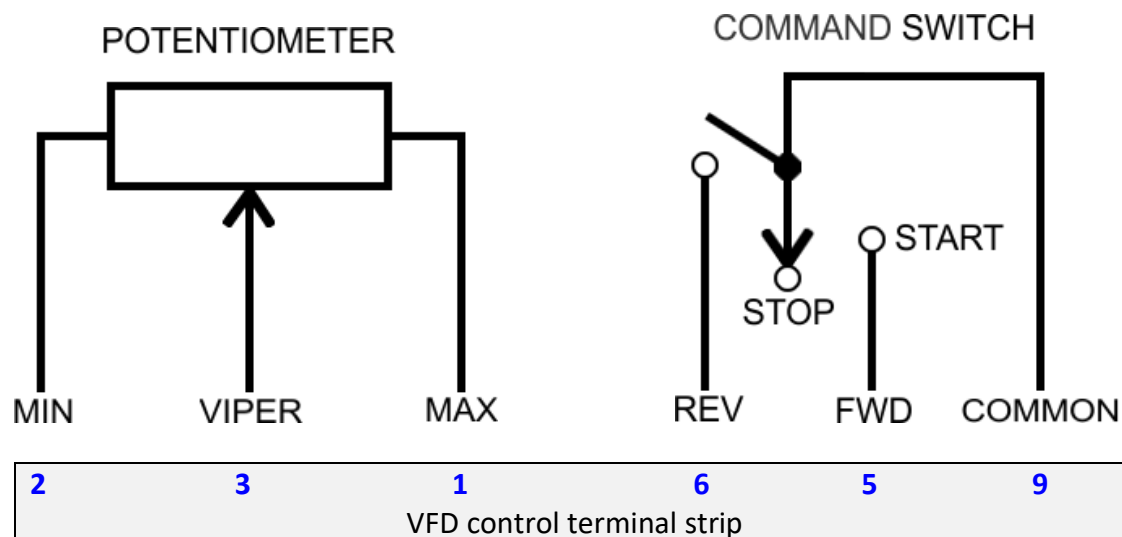
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ENG – variable frequency drive control with external potentiometer and switch (2-wire control): **Siemens Sinamics G120P**

Basic wiring diagram and conditions of operation

Parameter settings



- potentiometer value (linear, at least 0.5 W): $\geq 4.7 \text{ k}\Omega$
- control terminals 2 and 4 must be bridged
- control terminals 28 and 69 must be bridged
- DIP switch AI0 must be in the U (right) position
- use the REV switch to change the direction of rotation of the motor shaft

If all VFD parameters are initialized to factory default values (P0010 -> 30 in P0970 -> 1), you only need to adjust the following parameters:

- P0003 -> 3
- P0010 -> 1
- P0015 -> 12
- perform Quick commissioning (see user manual CU230P-2-v42-en, pdf stran 340)
- frequency reference: P1000 -> 2
- MIN out frequency: P1080
- MAX out frequency: P1082 & P2000 (analog input)
- acceleration time: P1120
- deceleration time: P1121
- P1110 -> 0



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