Tekno-Detaljer AB

Connections for E coilers and systems incl. Privus

Main power supply:
Without Privus: 24 VDC, min 5 Amps
With Privus: 115/230 VAC Volts + Ground, 50/60Hz, 10 Amps, 2 kW

Compressed air supply:
6 Bar (connector R1/4”). Machine regulator set to 5,5 Bars.

Signal Interface to line:
Harting 16-p HAN Male connector, Female cable connector included in delivery.

Pin no.	Description	Function
1	Power supply +24 VDC in	Main supply to machine
2	Power supply 0V in	Main supply to machine
3	External control 0V in	For external start
4	External control 24VDC in	For Error and Ready
5	External start 1 (+24 VDC)	>200 ms input gives one spring
6	Error output (+24 VDC)	+24 VDC when machine fault
7	Ready output (+24 VDC)	+24 VDC when spring ready for delivery
8	Spare	No function
9	Spare	No function
10	Dereeler Limit Fault	Optional (for H7-dereeler)
11	Line E-stop Safety Circuit	NC. Opens when E stop is pressed.
12	Line E-stop Safety Circuit	NC. Opens when E stop is pressed.
13	E-stop Relay Contact	NC. For Aux. Equipment
14	E-stop Relay Contact	NC. For Aux. Equipment
15	Safety Circuit Jumper	NC. No enable of machine, if removed
16	Safety Circuit Jumper	NC. No enable of machine, if removed
PE	Ground	Ground

READY: High when system is ready to deliver one spring, low during spring production. Connect 24 VDC to pin no. 4. Signal will be on pin no. 7.

ERROR: Normally low, high when alarm, fault or E-stop occurs. Connect 24 VDC to pin no. 4. Signal will be on pin no. 6.

START 1: Deliver one spring if a >200 ms 24 VDC signal is given, if READY is high and ERROR is low. Connect 0 VDC to pin no. 3. When 24 VDC is given to pin 5, one spring is delivered.

All signals are using relays.
External START only works with key, on operator’s panel, in AUTO mode.

JUMPER BETWEEN PIN NO.15 AND 16 MUST BE PRESENT FOR MACHINE ENABLING.