Modu	Klemme	Bez. Adresse	e Funktion	Modul	Klemme	Name A	dress Function	Mo	dule	Terminal	Name	Address Function
X20AT6402 (6x Thermoelement)	12 21 22 13 14 23 24 15 16 25	TC1+ TC2+ TC2+ TC2- TC2- TC3- TC3- TC4- TC4- TC5- TC5- TC5- TC5- TC6-	-112KF 11 Temperature 1 Temperature 2 Temperature 3 Temperature 4 Temperature 5 Temperature 5	X2 0D163 71 (6x Digital IN)	24 15 25 16	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC +24V DC +24V DC +24V DC +24V DC +24V DC +24V DC	-113KF 16 Z-axis End position (-) Down Z-axis End position (1) Top Axis Coater End position (-) Axis Coater End position (-) Axis Coater End position (-) Axis Coater End (Pome) Axis Coater Ref. (Pome)		X20D063 22 (6x Digital OUT)	11 21 12 22 13 23 14 24 25 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND GND	- 114KF 24 Door locking Unlocking Signal-Light red Signal-Light spen Signal-Light spelow Signal-Light spelow Signal-Light spelow Signal-Light spelow Signal-Light spelow O'measuring range
X20AO4622 (4x Analog OUT)	12 A 13 A(21 J 22 A 23 A(14 J 15 A 16 A(24 J 25 A	AO2 I+ AO2 U+ O2 I-/U- AO3 I+ AO3 U+ O3 I-/U- AO4 I+	- 112KF 12 Circulation pump Gas flow setpoint 0-100% Analog out 2 (041-20mA) Analog out 2 (0-109)	X20DI6371 (6x Digital IN)	15 25 16	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	- 113KT 17 Inert gas chamber OPEN Inert gas chamber CLOSED Inert gas heat exchanger OPEN Inert gas heat exchanger OPEN Inert gas heat exchanger CLOSED Inert gas heat exchanger CLOSED		X20D063.22 (6x Digital OU 1)	11 21 12 22 13 23 14 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND	- 114KF 25 Inert gas chamber Inert gas heat exchanger Inert gas heat exchanger Inert gas Nain valve Vacuum valve Chamber Vacuum valve Z-ausi Reserve Gas fizer Valve 6
X20AO4622 (4x Analog OUT)	12 A 13 A(21 // 22 A 23 A(14 // 15 A 16 A(AO4 I+ AO4 U+	-112KF 13 Analog out 1 (0(4)-20mA) Analog out 1 (10-10V) Analog out 2 (0(4)-20mA) Analog out 2 (0(4)-20mA) Analog out 2 (0-10V)	X20DI6371 (6x Digital IN)	25	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	-113KF 18 Signal from SP-ICE3 (not used) Groutation purmo Gas flow Operation Circulation purmo Gas flow Error Vacuum purm Operation Vacuum purm pmaffunction Budding platform Heating maffunction		X20DO6322 (6x Digital OUT)	11 21 12 22 13 23 24 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND GND	-116F 26 Reserve Gas Row Valve 7 Reserve Gas Row Valve 8 Reserve Gas Row Valve 9 Reserve Gas Row Valve 9 Reserve Gas Row Valve 10 Reserve Gas Row Valve 11 Reserve Gas Row Valve 12
X20AI4622 (4×Analog IN)	12 / 13 A 21 22 / 23 A 14 15 / 16 A 24	Al1 1+ Al1 U+ U1 I-/U- Al2 I+ Al2 U+ U2 I-/U- Al3 I+ Al3 U+ U3 I-/U- Al4 I+ Al4 U+ U4 I-/U-	- 112KF 14 Of Sensor Filter (4-20mA) Of Sensor Filter (4-20mA) Oxygen working space Actual value (4-20mA) Pressure sensor Compressed air (4-20mA) Pressure sensor Inert gas (4-20mA)	X20D i6371 (6x Digital IN)	15 25 16	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	- 113KF 19 Vacuum liinit value Vacuum disturbance Forced cooling fan Circulation pump Fault **Boscore** *		X20DO6322 (6x Digital OUT)	11 21 12 22 13 23 14 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND	-114KF 27 Reserve Gas flow Valve 13 Reserve Gas flow Valve 14 Reserve Gas flow Valve 14 Reserve Gas flow Valve 16 Reserve Gas flow Valve 17 Reserve Gas flow Valve 17
X20Al4622 (4x Analog IN)	12 // 13 A 21 22 // 22 A 14 15 // 16 A 24	AI3 I+ AI3 U+ AI3 U- AI4 I+ AI4 U+	- 112KF 15 Vacuum Actual value (0-10V) Temperature Building platform (0-200°C / 010V)	X20D16371 (6x Digital IN)	15 25 16	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	- 113KF 20 Door Unlocking		X20D063.22 (6x Digital OU 1)	11 21 12 22 13 23 14 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND	- 1146F 28 Circulation pump Gas flow Weapur pump Building plefform heating Loser External floot used) Loser System (not used) Reserve
X2 OSI 8110 (8x Safety IN)	12 21 F 22 13 F 14 23 F 24 15 25 16	Pulse 1 SI 1 Pulse 2 SI 2 Pulse 3 SI 3 Pulse 4 SI 5 SI 5 SI 6 SI 7 SI 8	-11SKF 51 Emergency stop Channel 1 Emergency stop Channel 2 Safety gate Process chamber channel 1 Safety gate Process chamber channel 2 Feedback emergency stop contactor Feedback operator protection contactor Emergency stop from laser Ch1 Emergency stop from laser Ch2	X20DI6371 (6x Digital IN)	15	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	-113KF 21 Vacuum valve chamber OPEN Vacuum valve chamber (LOSED Vacuum valve Z-axis OPEN Vacuum valve Z-axis CLOSED Reserve		X20DO6322 (6x Digital OUT)	11 21 12 22 13 23 24 14 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND GND	- 114KF 29 Reserve
X20SO6300 (6xSafety OUT)	21 12 22 13 23 14 24 15 25	SO 1 SO 2 SO 3 SO 4 SO 5 SO 6 GND GND GND GND GND GND GND	-115KF 52 Emergency stop contactor Operator protection Contactor Enable Avis 18.2 Enable Avis 38.4 Pincerve Pincerve	X20DI6371 (6x Digital IN)	24 15 25 16	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	-113KF 22 Reserve		X20D06322 (6x Digital 0UT)	11 21 12 22 13 23 14 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND GND	-114KF 30 Reserve
X20SC0842 (8x Safety IN)	12 21 F 22 13 F 14 23 F 24 15 25 16	Pulse 1 SI 1 Pulse 2 SI 2 Pulse 3 SI 3 Pulse 3 SI 3 SI 3 SI 5 SI 6 SI 6 SI 7 SI 8	15KF 53a (Kombimodul) Oxygen working space Alarm Button Acknrowledge Protective door Cover Channel 1 Protective door Cover Channel 2 Emergency stop from cell Channel 1 Emergency from cell Channel 2 Safely circle from cell Channel 1 Safely circle from cell Channel 2 15KF 53b (Kombimodul)	371 (6x Digita	13 23 14 24 15 25 16	DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 +24V DC	-113KF 23 Reserve		X20D06322 (6× Digital OUT)	11 21 12 22 13 23 14 24 15 25 16 26	DO 1 DO 2 DO 3 DO 4 DO 5 DO 6 GND GND GND GND GND GND GND	-114NF 31
X20SC0842 (6x Safety OUT)	12 21 22 13 14 23 24 15 16 25	SO 1+ SO 1- SO 2+ SO 2- SO 3+ SO 3- SO 4- SO 4- SO 5- GND SO 6- GND	Reserve Reserve Reserve Reserve Reserve Reserve									
X2 0DC 1976 (Encodermodul)	12 13 14 15 16 21 22 22 23 24 25	CA-01 CB-01 CB-01 DI-01 +24V GND n.c. n.c. DI-02 +5V GND	- 116KF 61 Encoder A Encoder B Encoder B Encoder Gr Westerve Mesterve Mesterve A.C. A.C. B.C. B									