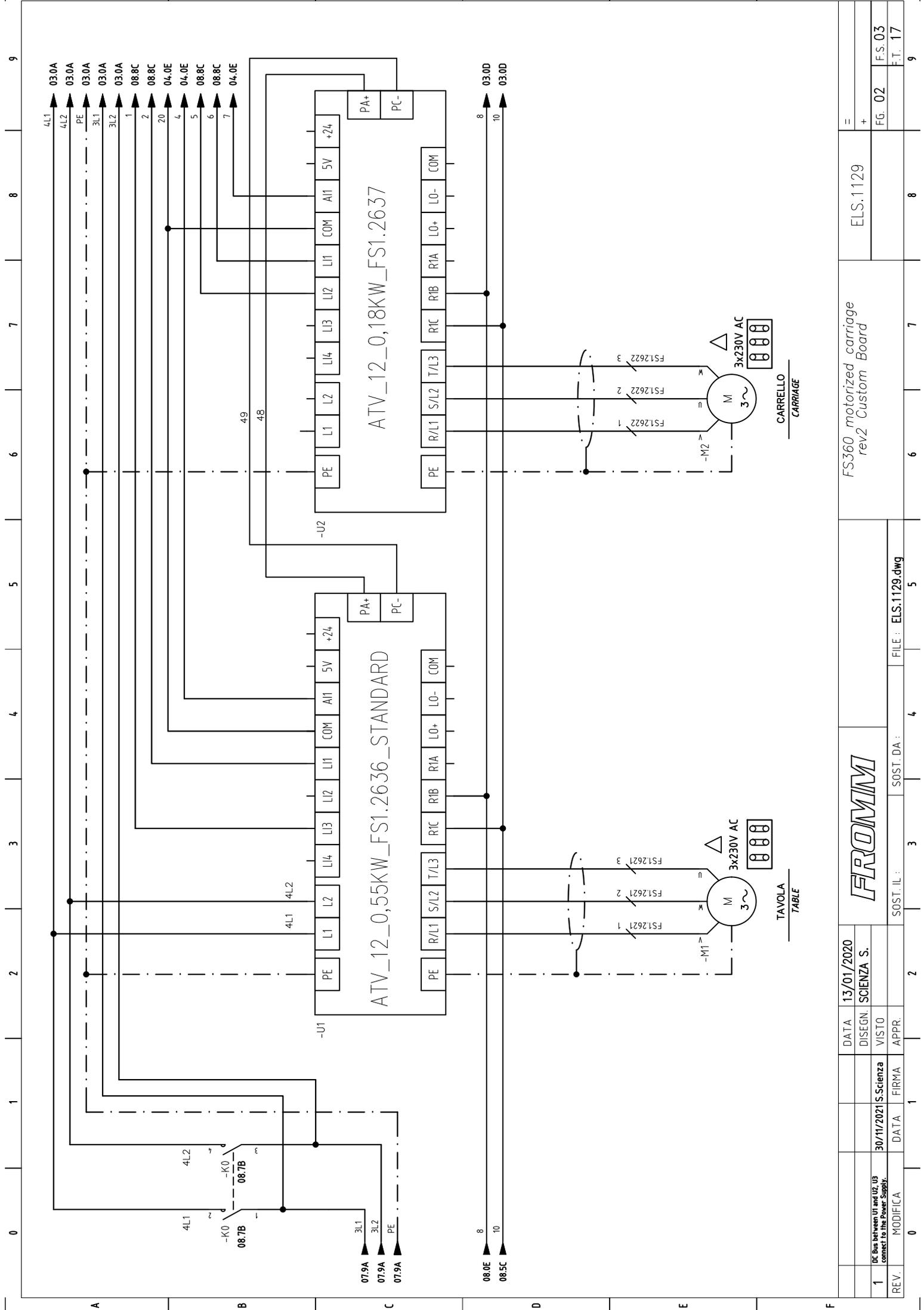


FROMM

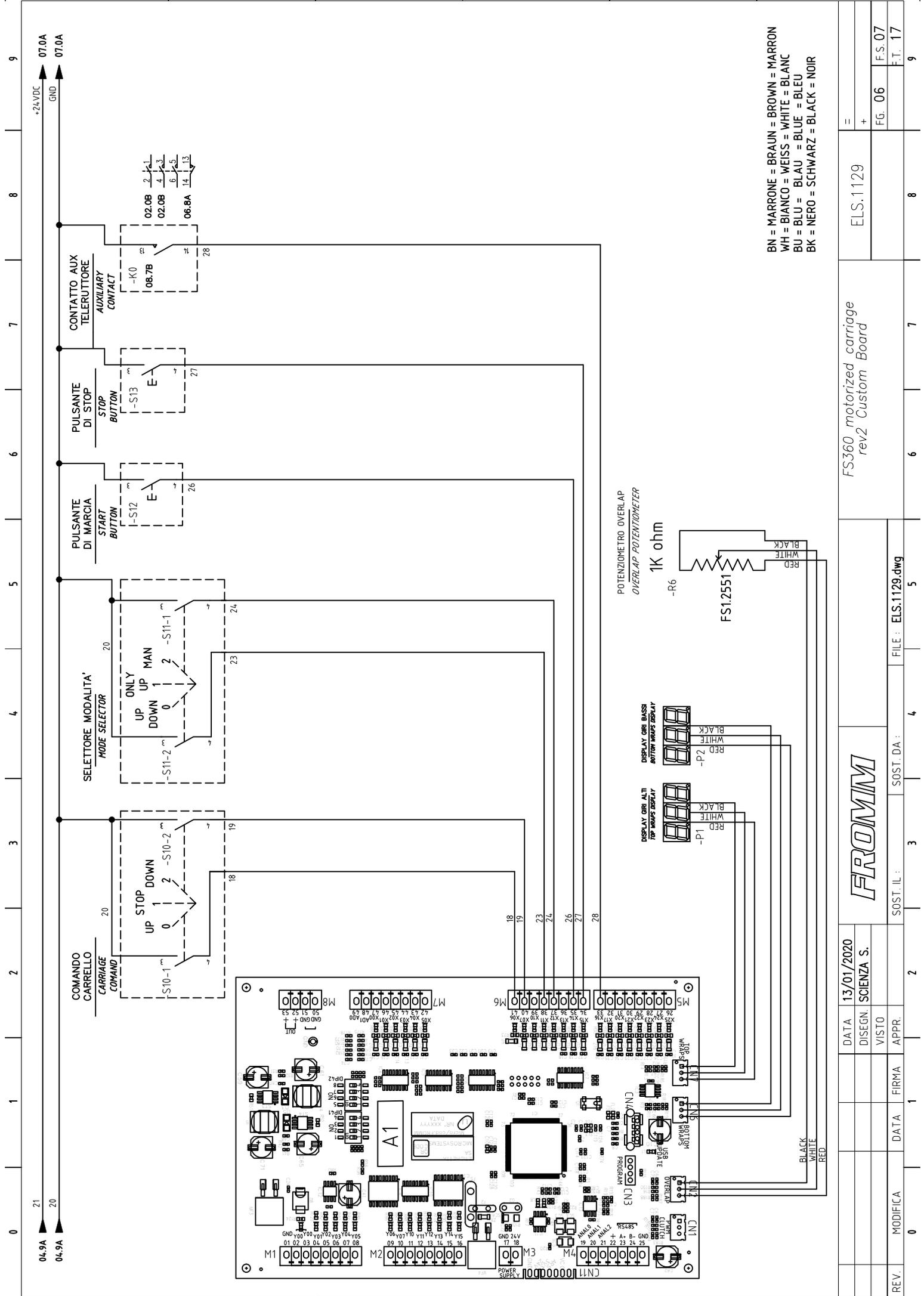
**ELS FS360 FROMM
TURNTABLE STRETCH MACHINE
ELS.1129_Rev1 Motorized Carriage
Model FS360.XXXXX.XXXX
from Serial Number 01.00170**

Website : www.fromm-stretch.com

Print date / © 01/22



1	MODIFICA	DATA	FIRMA	APPR.	0	1	2	3	4	5	6	7	8	9	
DC Bus between U1 and U2, U3 connect to the Power Supply.		30/11/2021	S.Scienza	VISTO											
	DATA	13/01/2020	DESIGN	SOIENZA S.											
	REV.														
FROMMM												ELS.1129		=	
FS360 motorized carriage rev2 Custom Board												Fg. 02		F.S. 03	
TAVOLA TABLE												CARRELLO CARRIAGE		F.T. 17	



BN = MARRONE = BROWN = MARRON
 WH = BIANCO = WEISS = WHITE = BLANC
 BU = BLU = BLEU = BLUE = BLEU
 BK = NERO = SCHWARZ = BLACK = NOIR

REV.	MODIFICA	DATA	FIRMA	APPR.	0	1	2	3	4	5	6	7	8	9
FS360 motorized carriage rev2 Custom Board													ELS.1129	
													Fg. 06	
													F.T. 17	

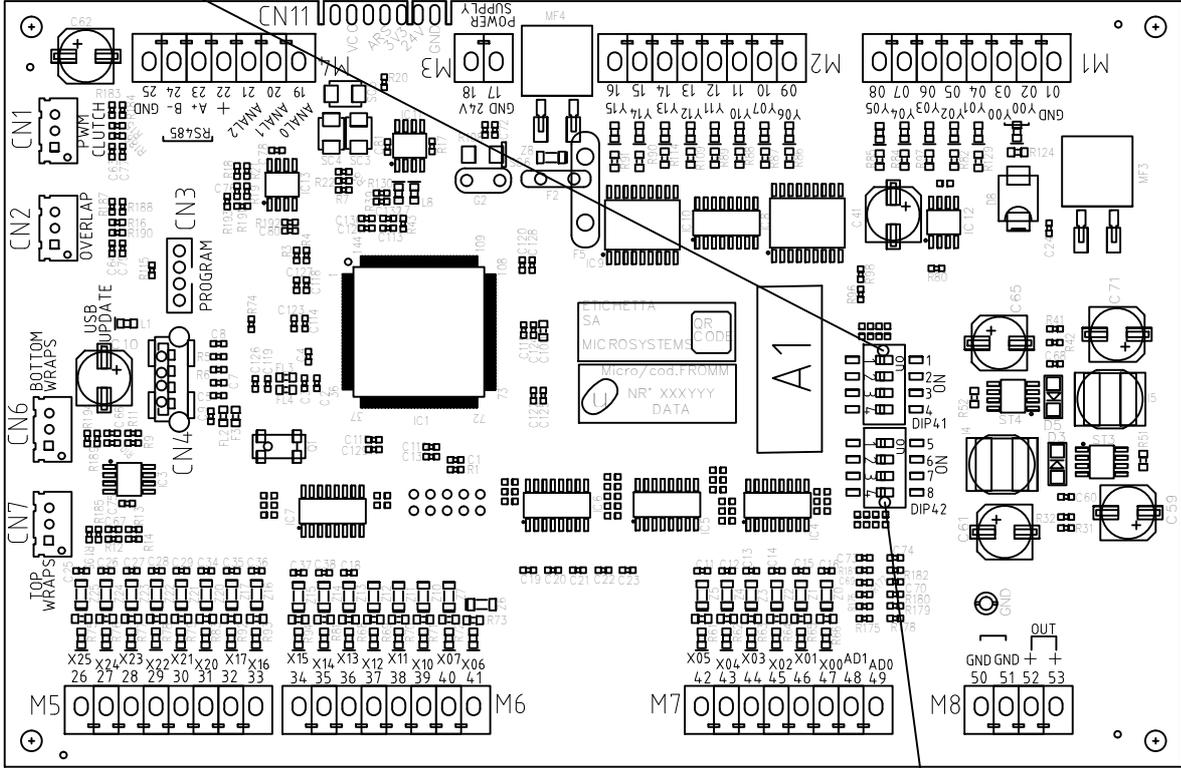


DATA 13/01/2020
 DEIGN. SOENZA S.
 VISTO
 APPR.

FILE : ELS.1129.dwg

FS360 Main Board – DipSwitch settings

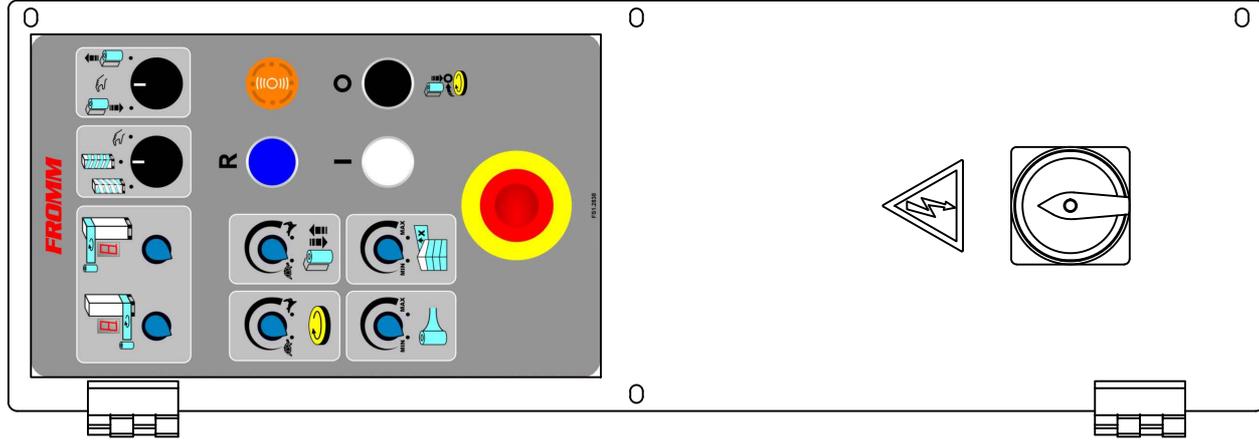
DipSwitch settings	DipSwitch number	Corresponding settings
<p>ON OFF</p>	DIP41-1	Range Bottom Wraps and Top Wraps 0...9 (displays connected to the mainboard directly, connectors CN6 CN7)
<p>ON OFF</p>	DIP41-1	Range Bottom Wraps and Top Wraps 0...5 (displays connected to the display/potentiometers interface board, FS12583)
<p>ON OFF</p>	DIP41-2	Overlap potentiometer connected to the CN2 connector
<p>ON OFF</p>	DIP41-2	Overlap output board connected to the X13 input on the Mainboard
<p>ON OFF</p>	DIP41-3	E4 error control (no pallet detect) ENABLED
<p>ON OFF</p>	DIP41-3	E4 error control (no pallet detect) DISABLED
<p>ON OFF</p>	DIP41-4	Top Press DISABLED
<p>ON OFF</p>	DIP41-4	Top Press ENABLED



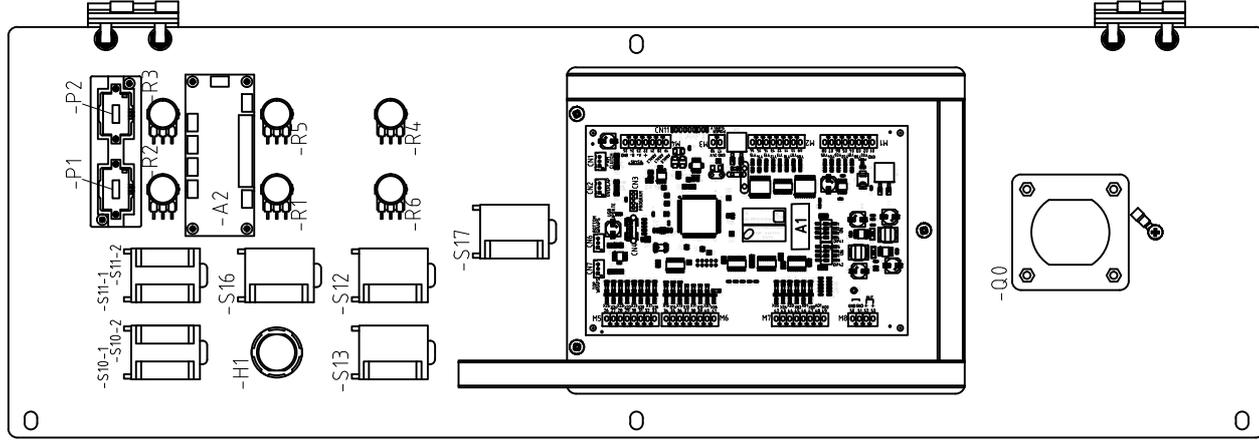
DIP42 DipSwitch not used at the moment

REV.	MODIFICA	DATA	FIRMA	APPR.	0	1	2	3	4	5	6	7	8	9
<p>DATA 13/01/2020 DEIGN SOENZA S. VISTO APPR.</p>										<p>FS360 motorized carriage rev2 Custom Board</p>		<p>ELS.1129</p>		<p>F.S.13 F.T. 17</p>
<p>FILE : ELS.1129.dwg</p>										<p>SOST. IL :</p>	<p>SOST. DA :</p>	<p>ELS.1129</p>	<p>F.S.13 F.T. 17</p>	





CONTROL PANEL-FRONT VIEW



CONTROL PANEL-REAR VIEW

ITEM	DESCRIPTION	CODE
A1	Main Board	FS13078
A2	Interface board	FS12583
H1	Buzzer	N53 2221
P1	Top Wraps Display	FS13079
P2	Bottom Wraps Display	FS13079
Q0	Rotary Switch	N53 2222
R1	Carriage Speed Potentiometer	FS12551
R2	Top Wraps Potentiometer	FS12551
R3	Bottom Wraps Potentiometer	FS12551
R4	Tensioning Potentiometer	FS12551
R5	Turntable Speed Potentiometer	FS12551
R6	Overlap Potentiometer	FS12551
S10-1	Carriage Comand - UP	N53 2227
S10-2	Carriage Comand - DOWN	
S11-1	Mode Selector - MAN	N53 2226
S11-2	Mode Selector - UP DOWN	
S12	Start Button	N53 2223
S13	Stop Button	N53 2224
S16	Restore Button	N53 2225
S17	Emergency Button	N53 2228

DATA 13/01/2020
 DISEGN. SOENZA S.
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MODIFICA DATA FIRMA APPR.



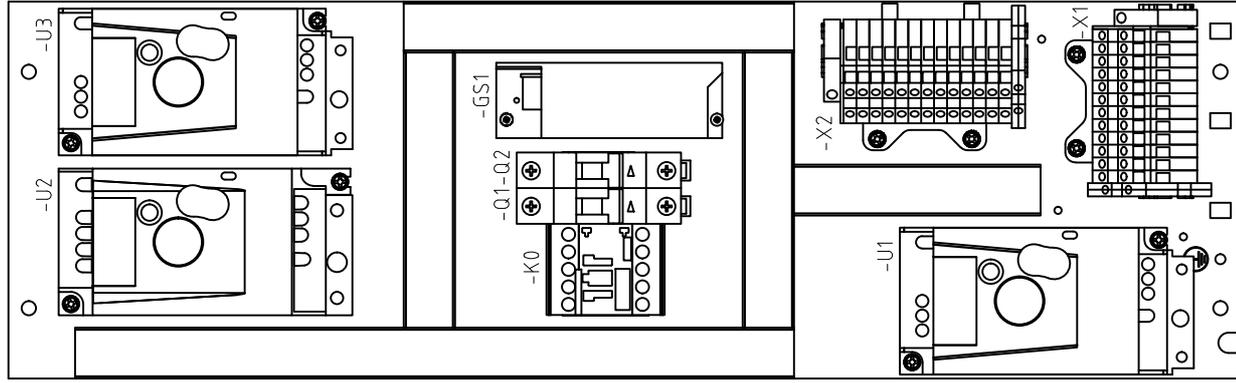
SOST. IL: SOST. DA: FILE: ELS.1129.dwg

FS360 motorized carriage
 rev2 Custom Board

ELS.1129

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 Fg. 13 F.S. 14
 F.T. 17

ELECTRIC CABINET



ELECTRIC CABINET

ITEM	DESCRIPTION	CODE
GS1	Power Supply	N5.14.90
K0	Contacto	N53.5210
Q1	Circuit Breaker	N53.5209
Q2	Circuit Breaker	N53.5209
U1	Turntable Inverter	FS1.2636
U2	Carriage Inverter	FS1.2637
U3	Tensioning Inverter	FS1.2638
X1	Terminal	
X2	Terminal	

ON THE MACHINE

ITEM	DESCRIPTION	CODE
A3	Motorized Carriage Terminal Board	FS1.2596
A4	Relay 1 channel Low Trigger	AP1.8085
A5	Relay 1 channel Low Trigger	AP1.8085
B1	Good Height Photocell	FS1.2631
B2	Dancer Analog Sensor	FS1.3084
B3	Proximity Turntable	FS1.2640
B4	Horseshoe Turntable Photocell	N51.2619
B5	Horseshoe Turntable Safety Photocell	N51.2619
M1	Turntable Motor	N51.1131
M2	Carriage Motor	N51.1130
M3	Tensioning Motor	N51.114.7
M4	DC Motor Gear-Cutting Device	N51.1166
S1	Carriage Limit Switch	N5.2387
S2	Safety Carriage Rear Door Limit Switch	N5.2388
S3	Safety Carriage Front Door Limit Switch	N5.2388
S4	Safety Clamp Limit Switch	N5.2388
S14	Safety Belt Limit Switch	N5.2390
S15	Safety Carpet Limit Switch	N5.2377
S18	On-Off Switch Cutting Device	N53.2238
S19	Top Switch Cutting Device	N5.2367
S20	Bottom Switch Cutting Device	N5.2367
V1	Diode	N5.54.34
V2	Diode	N5.54.34
X3	Terminal	N5.6726

DATA 13/01/2020
 DEGN. SOENZA S.
 VISTO
 FIRMA APPR.



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FS360 motorized carriage
 rev2 Custom Board

ELS.1129

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 Fg. 14 F.S. 15
 F.T. 17

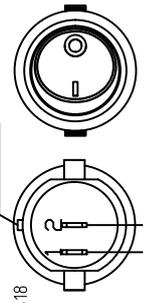
0 1 2 3 4 5 6 7 8 9

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OPZIONALE

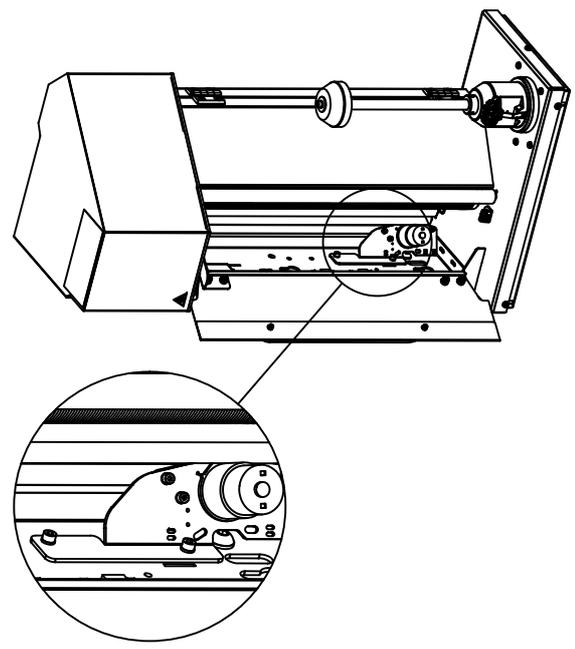
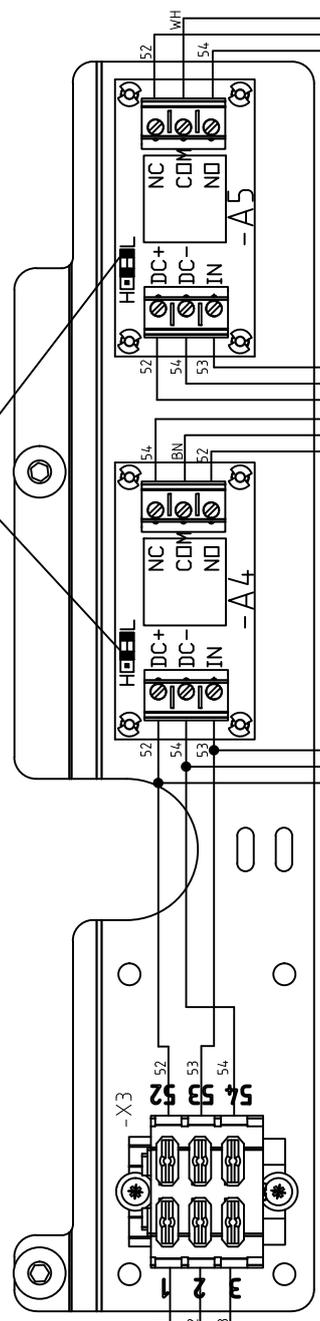
KIT TAGLIO FILM
FILM CUTTING DEVICE

ON/OFF TAGLIO FILM
ON/OFF FILM CUTTING DEVICE

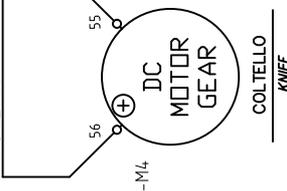
TOOTH



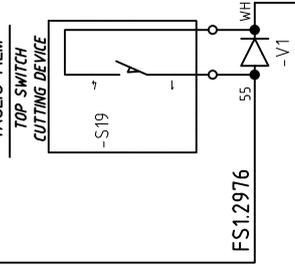
CONTROL THAT THE
JUMPER IS IN "L"
POSITION



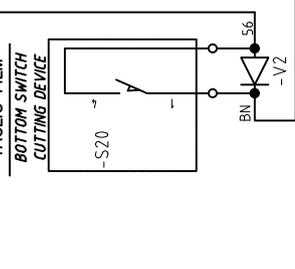
FS12977



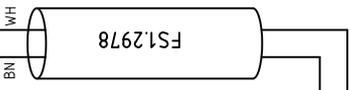
MICRO SUPERIORE
TAGLIO FILM
TOP SWITCH
CUTTING DEVICE



MICRO INFERIORE
TAGLIO FILM
BOTTOM SWITCH
CUTTING DEVICE



FS12978



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WH = BIANCO = WEISS = WHITE = BLANC
BU = BLU = BLEU = BLUE = BLEUE
BK = NERO = SCHWARZ = BLACK = NOIR

DATA	13/01/2020	FROMM		FS360 motorized carriage		ELS.1129		=
DESIGN	SCIENZA S.			rev2 Custom Board				+
VISTO								Fg. 17
APPR.								F.T. 17
MODIFICA								
REV.								
FILE :	ELS.1129.dwg							