


# SK 600/F

## Electrical Diagram

Registration number PC05036IS4926

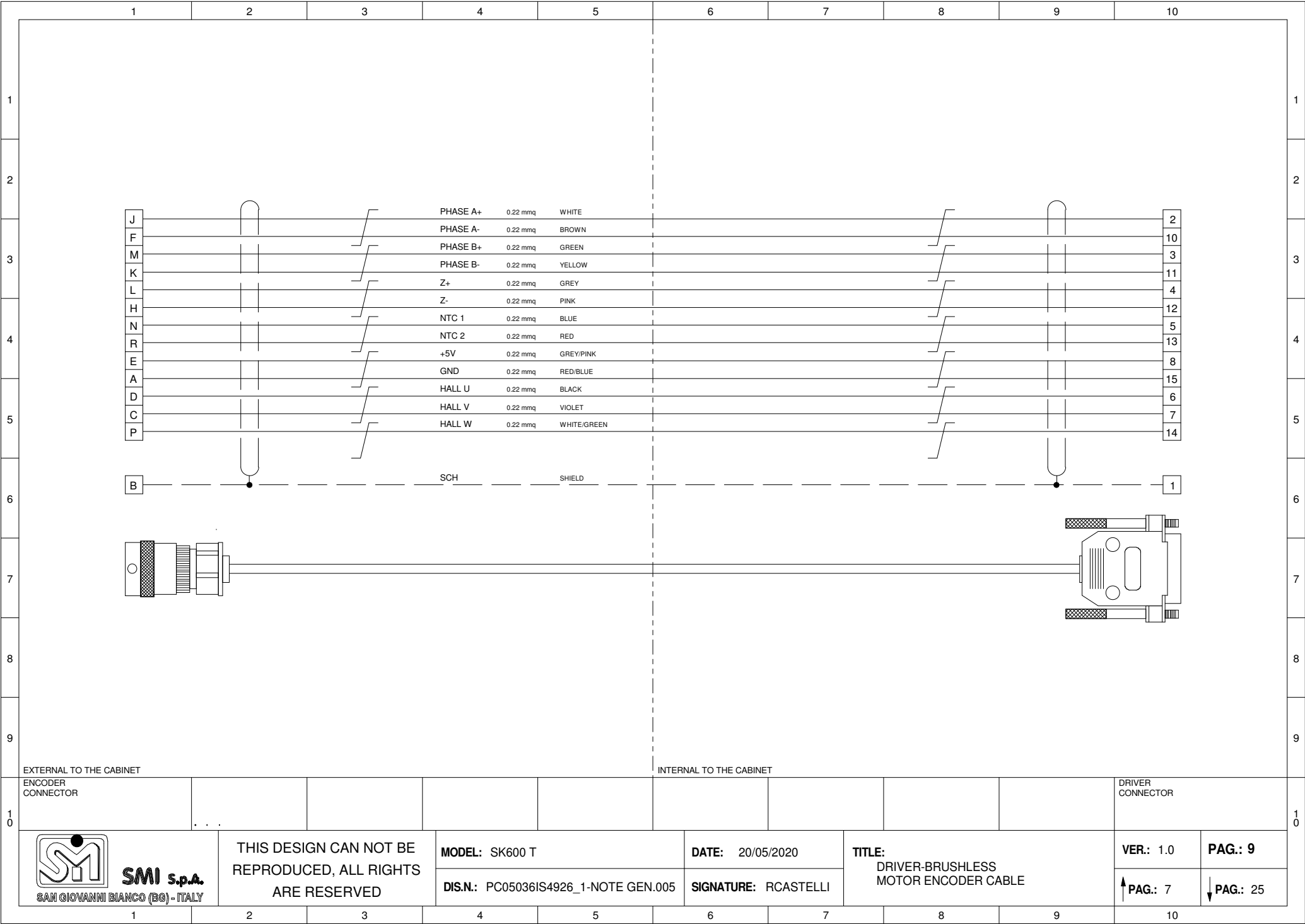


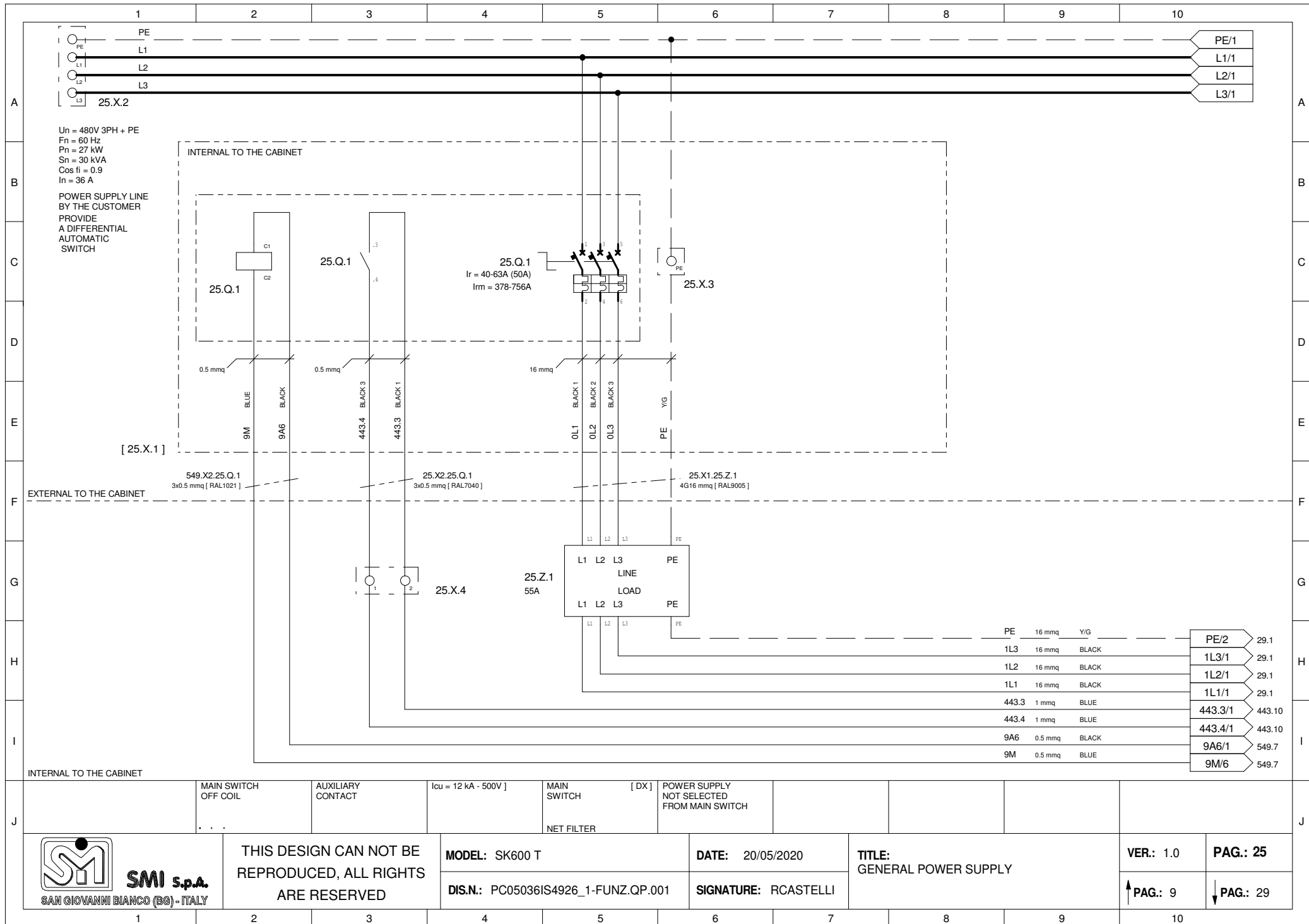
	1	2	3	4	5	6	7	8	9	10	
A	<div>CHASSIS DESIGN</div> <div>° PAG. 1 - 9GENERAL NOTES</div> <div>° PAG. 25 - 723FUNCTION DIAGRAM MAIN PANEL</div>					<div>CONVENTIONAL REFERENCES USED</div> <div>COMPONENTS INITIALING</div> <div>B CONVERTER</div> <div>C CONDENSER</div> <div>E OTHERS</div> <div>F PROTECTIVE DEVICES</div> <div>G GENERATORS</div> <div>H SIGNAL DEVICE</div> <div>K RELAY - CONTACTORS</div> <div>L INDUCTORS</div> <div>M MOTORS</div> <div>N AMPLIFIERS</div> <div>P MEASURE DEVICE</div> <div>Q SWITCHING DEVICES</div> <div>R HEATING ELEMENTS</div> <div>S SWITCHES - SELECTORS</div> <div>T TRANSFORMERS</div> <div>U MODULATORS</div> <div>X TERMINALS</div> <div>Y ELECTROMECHANICAL COMPONENTS</div> <div>Z FILTERS</div>					A
B	<div>° PAG. 1250 - 1300FUNCTIONAL CIRCUIT OF THE AUTOMATIC ADJUSTMENTS</div> <div>° PAG. 1325 - 1325FUNCTIONAL PANEL EXTERNAL BELTS</div>										B
C											C
D											D
E	<div>NORMATIVE REFERENCES</div> <div>CEI EN 60439 - 1PROTECTIVE ANDSWITCHING DEVICES ASSEMBLIES FOR LOW TENSION</div> <div>CEI EN 60204 - 1ELECTRICAL EQUIPMENT OF THE MACHINES</div>										E
F											F
G	<div>CONVENTIONAL REFERENCES USED</div> <div>CABLES INITIALING</div> <div>X1 400V</div> <div>X2 24V</div> <div>X3 48V</div> <div>X4 220V</div> <div>X5 SIGNAL EXCHANGE CABLE</div>										G
H											H
I											I
J											J
<div><div></div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: GENERAL NOTES		VER.: 1.0	PAG.: 1
				DIS.N.: PC05036IS4926_1-NOTE GEN.001		SIGNATURE: RCASTELLI				↑ PAG.: 1	↓ PAG.: 3
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A	<div>CABLES NOMENCLATURE</div> <div>A . X2 . B</div> <div>CABLE DESTINATION REFERENCE</div> <div>CABLES INITIALING REFERENCE</div> <div>PAGE NUMBER</div> <div>ES.</div> <div>18. X2 . 18.B.1</div> <div>CABLE DESTINATION REFERENCE</div> <div>CABLES INITIALING REFERENCE</div> <div>PAGE NUMBER</div>					<div>CONDUCTORS NOMENCLATURE</div> <div>- 1L1,1L2,1L3 → POWER</div> <div>- 1L+,4L+ → +24V DC</div> <div>- M → 0V DC</div> <div>- 3L+,5L+ → +24V DC BACKUP</div> <div>Y . Z</div> <div>PROGRESSIVE NUMERATION O 1 ÷ +O</div> <div>PAGE NUMBER</div> <div>ES.</div> <div>18 . 10</div> <div>PROGRESSIVE NUMERATION O 1 ÷ +O</div> <div>PAGE NUMBER</div>					A
B											B
C											C
D	<div>COMPONENTS NOMENCLATURES</div> <div>X . Y . Z</div> <div>PROGRESSIVE NUMERATION O 1 ÷ +O</div> <div>COMPONENTS INITIALING REFERENCE</div> <div>PAGE NUMBER</div> <div>ES.</div> <div>18. M . 10</div> <div>PROGRESSIVE NUMERATION O 1 ÷ +O</div> <div>COMPONENTS INITIALING REFERENCE</div> <div>PAGE NUMBER</div>										D
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J	<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div><div></div></div><div>SMI s.p.a.</div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div><div>THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED</div><div>MODEL: SK600 T</div><div>DIS.N.: PC05036IS4926_1-NOTE GEN.002</div><div>DATE: 20/05/2020</div><div>SIGNATURE: RCASTELLI</div><div>TITLE: NOMENCLATURE</div><div>VER.: 1.0</div><div>PAG.: 1</div><div>PAG.: 3</div><div>PAG.: 5</div></div></div>										J
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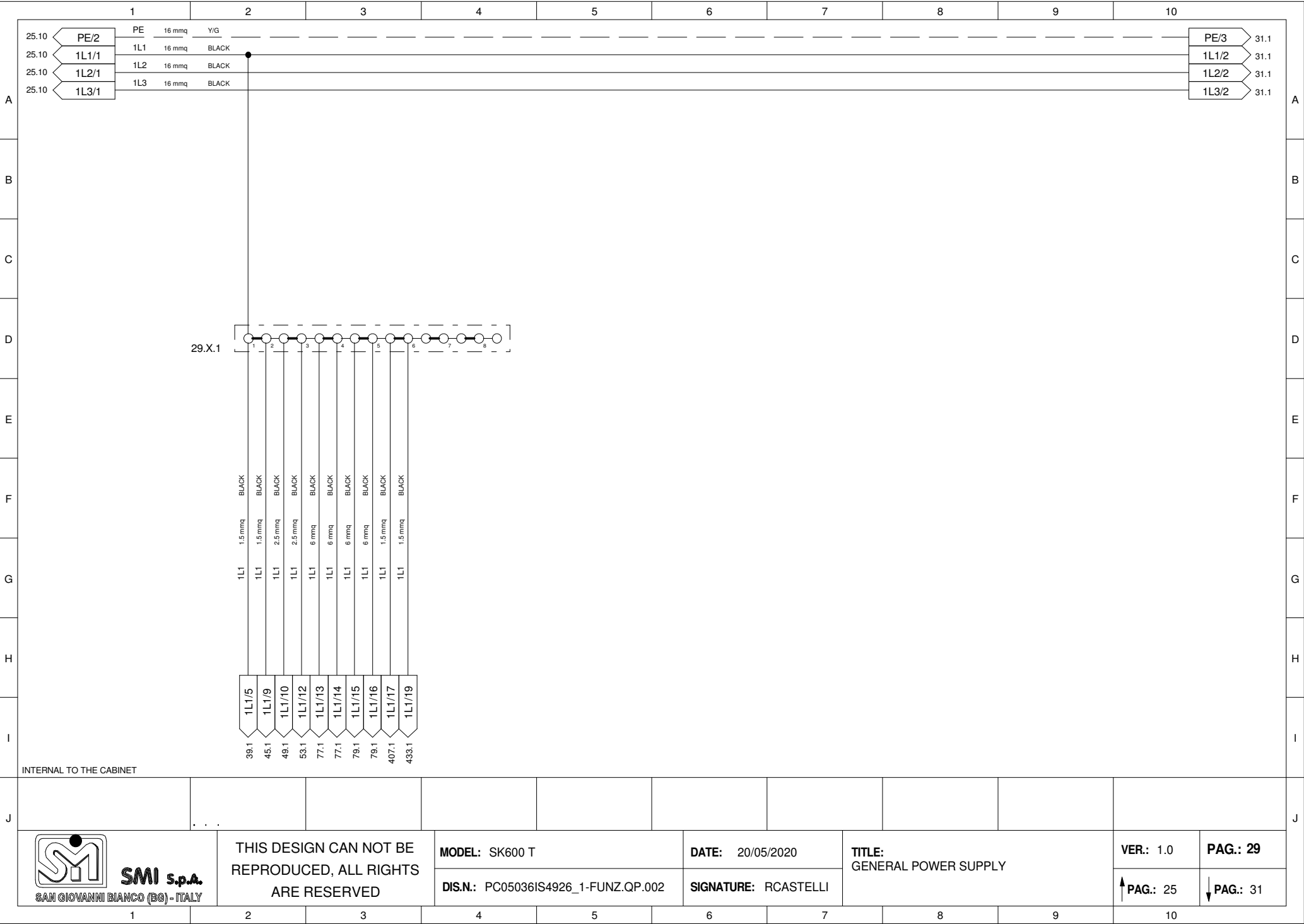












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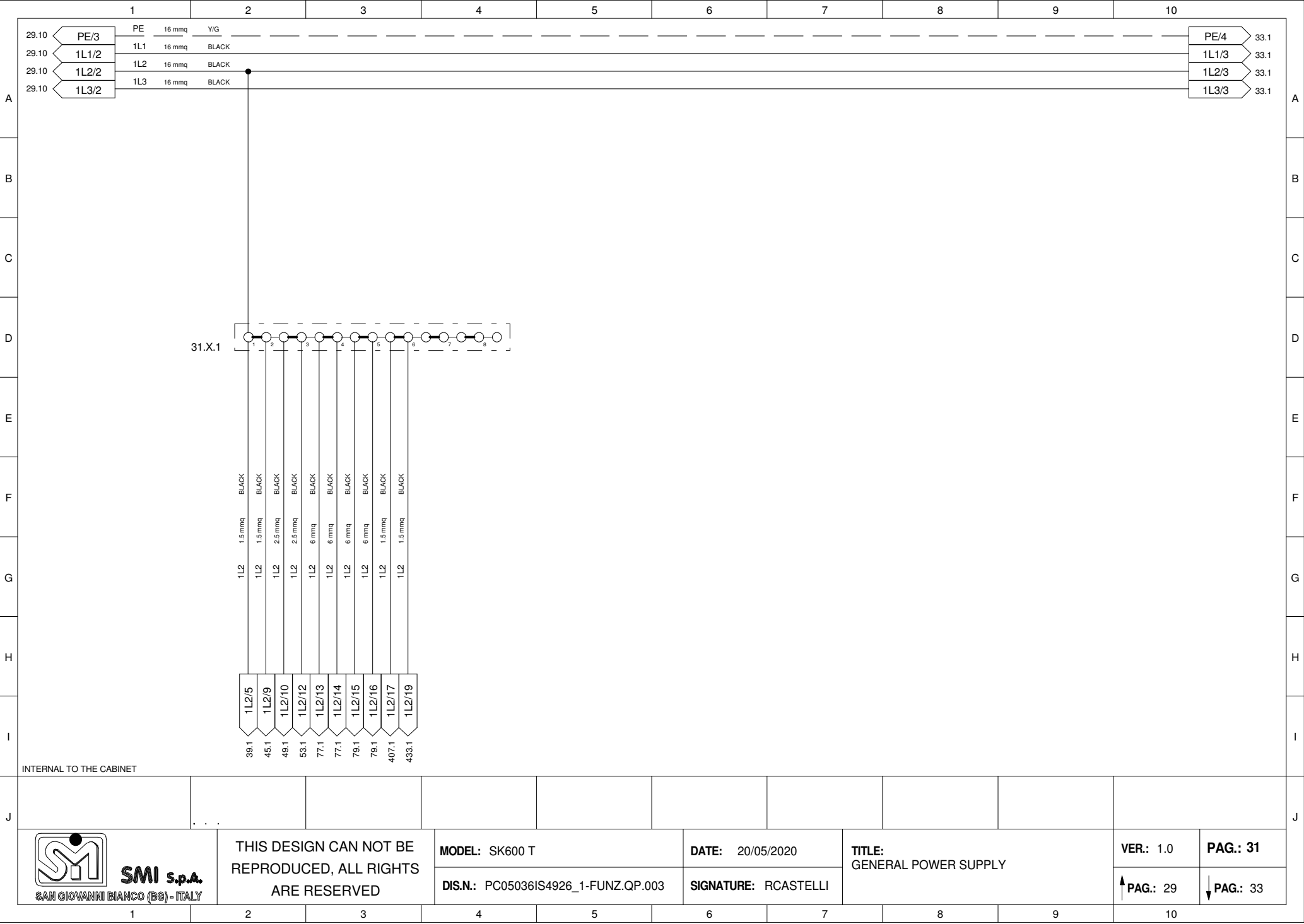
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GENERAL POWER SUPPLY

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↑ PAG.: 25

↓ PAG.: 31



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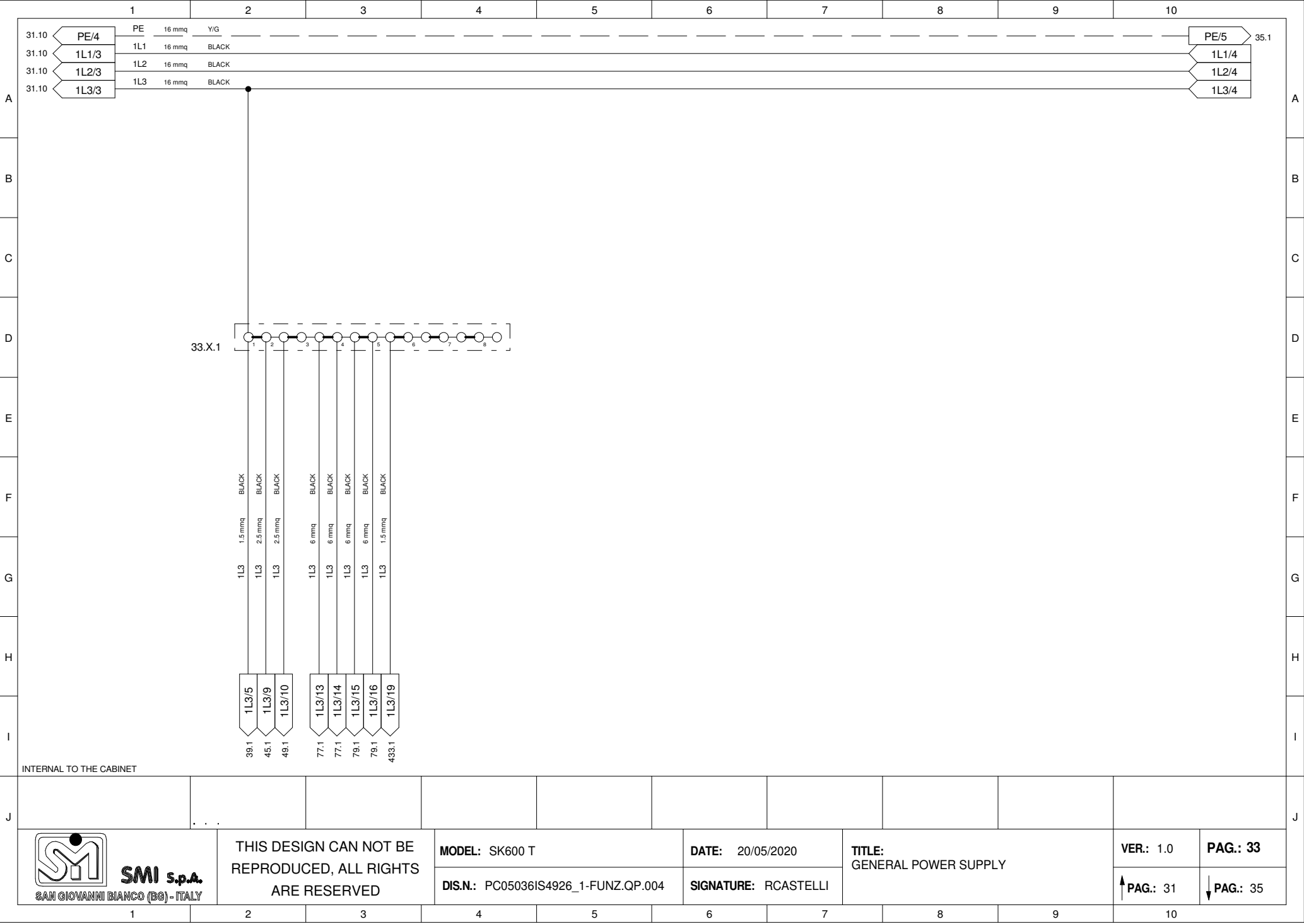
TITLE:  
GENERAL POWER SUPPLY

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PAG.: 31

↑ PAG.: 29

↓ PAG.: 33



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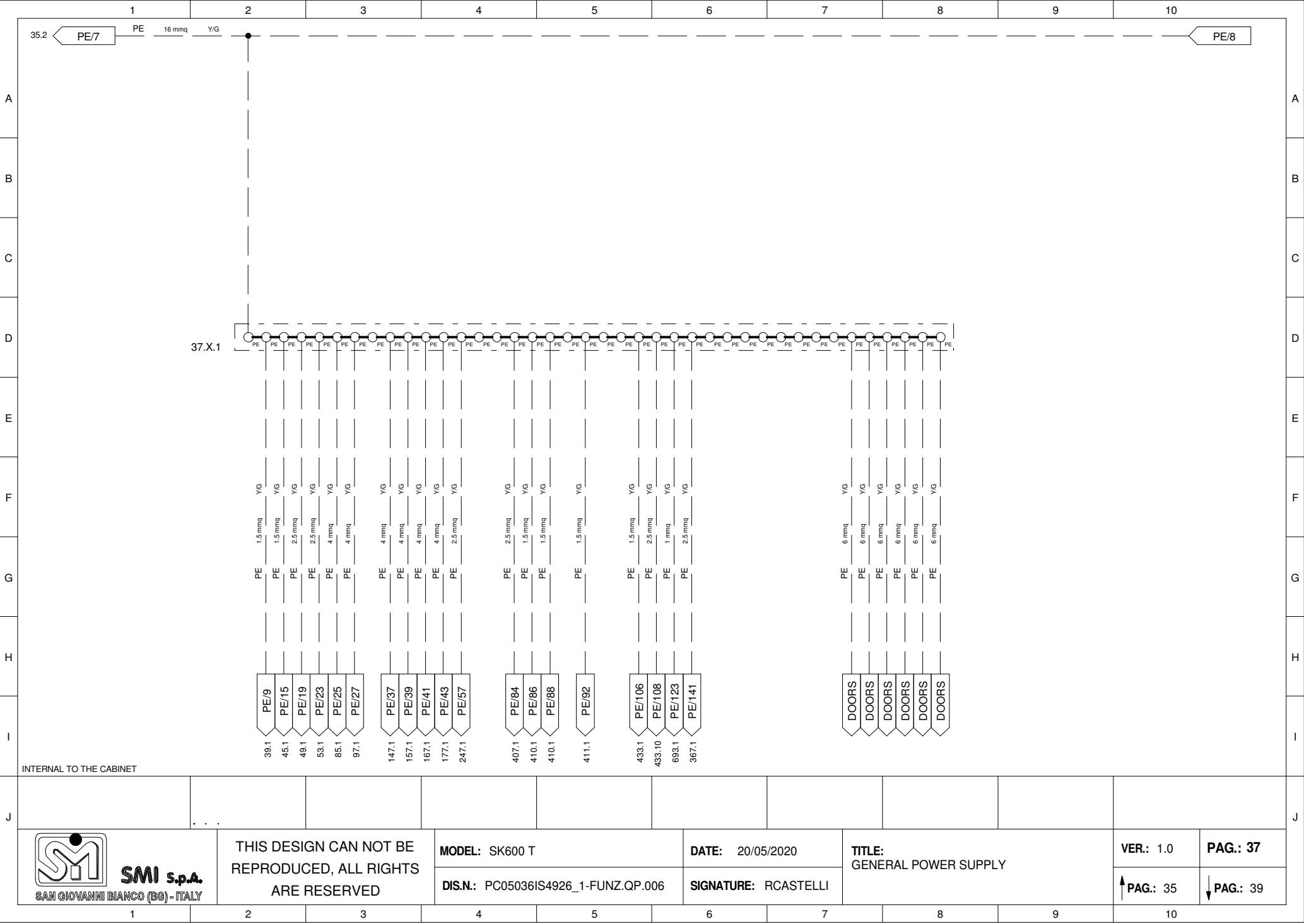
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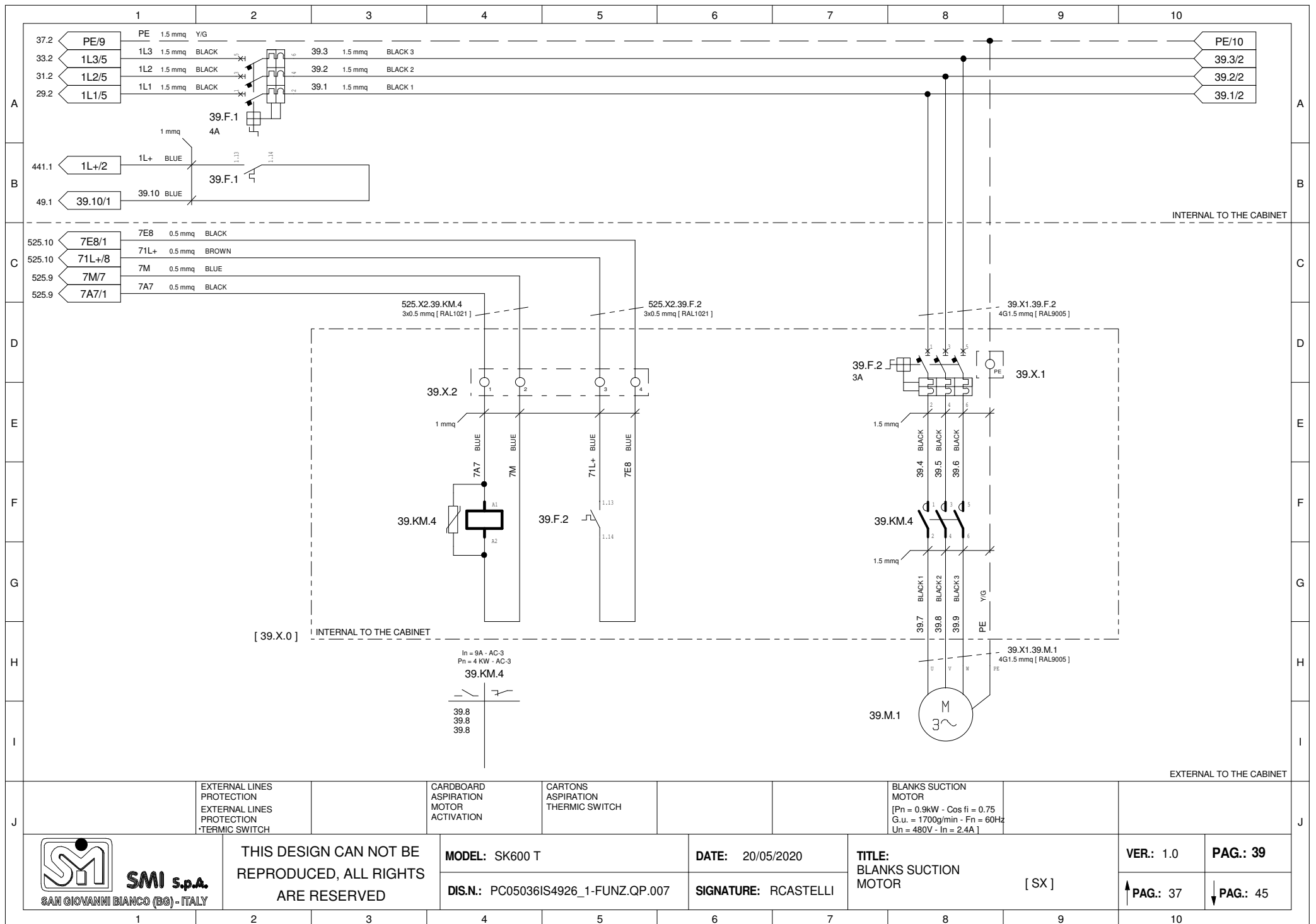
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VER.: 1.0

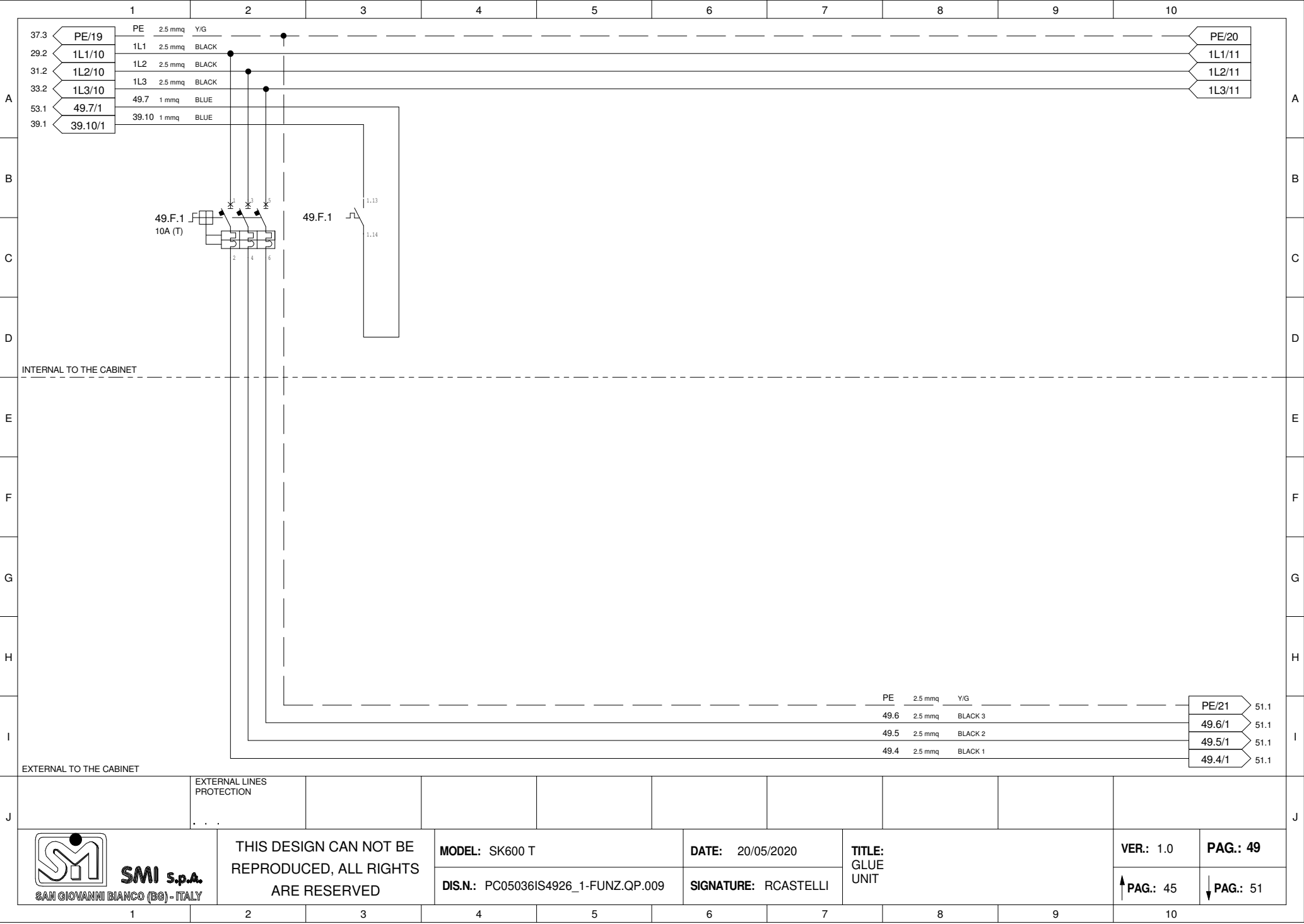
PAG.: 37

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↓ PAG.: 39







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TITLE: GLUE UNIT

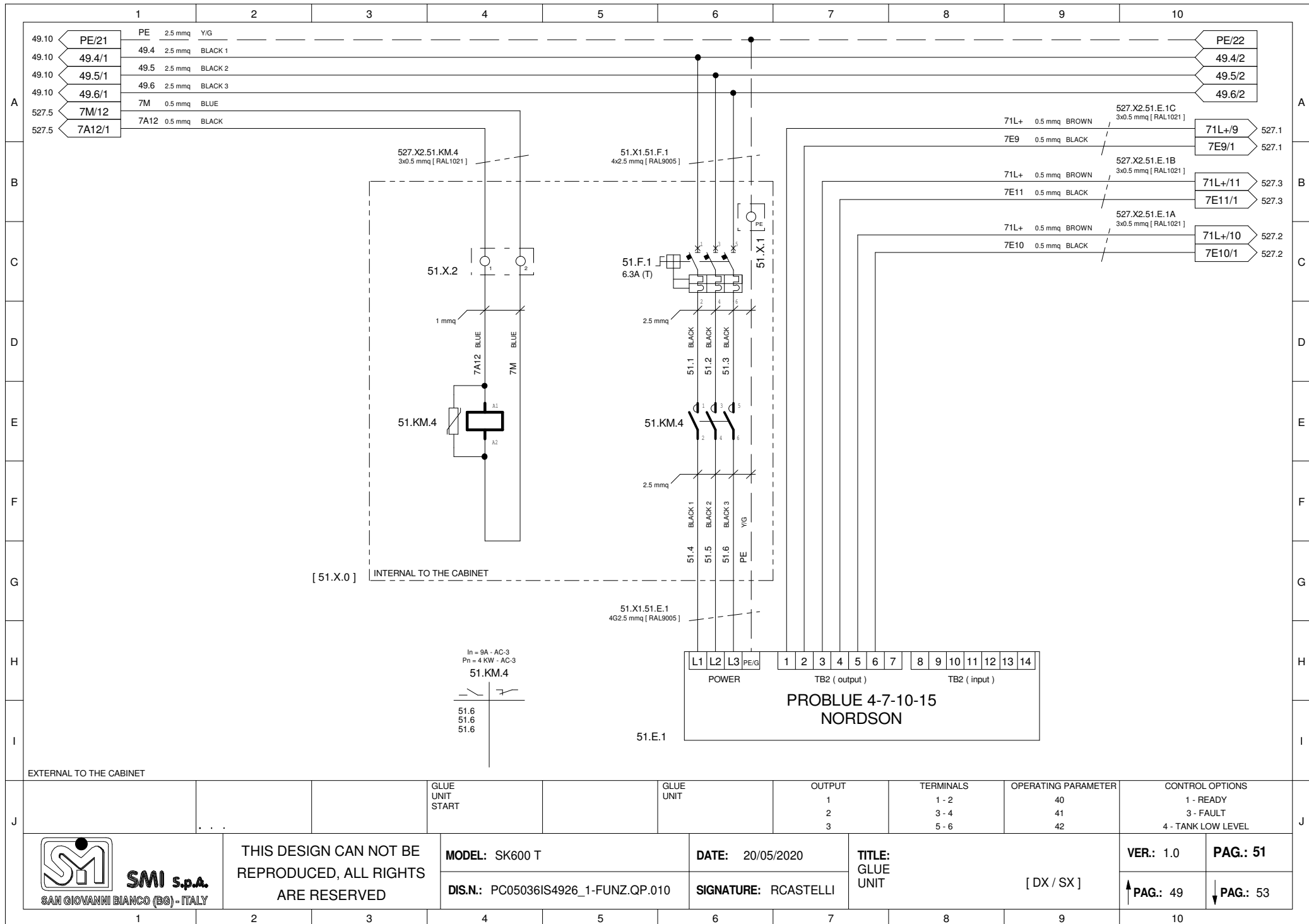
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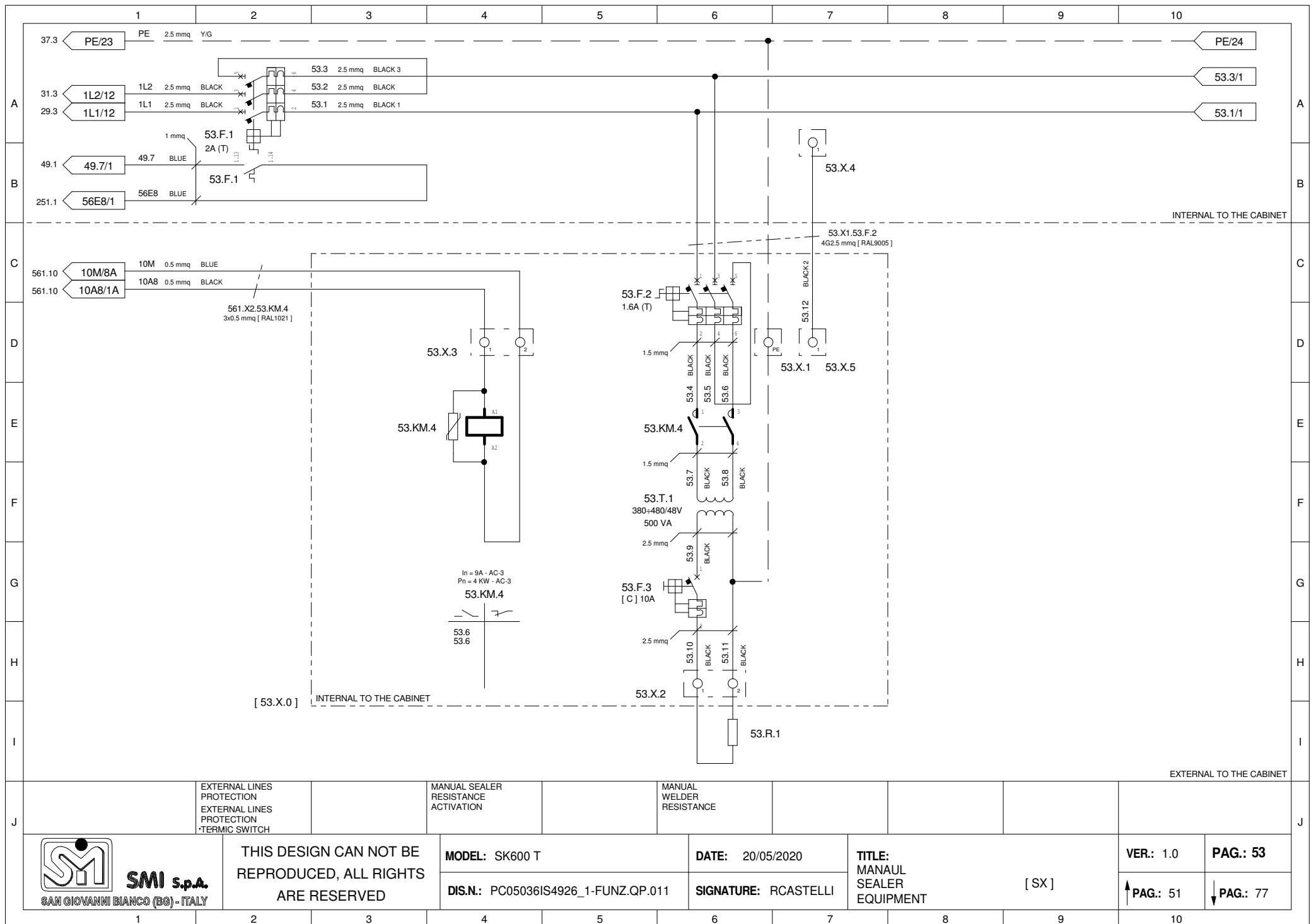
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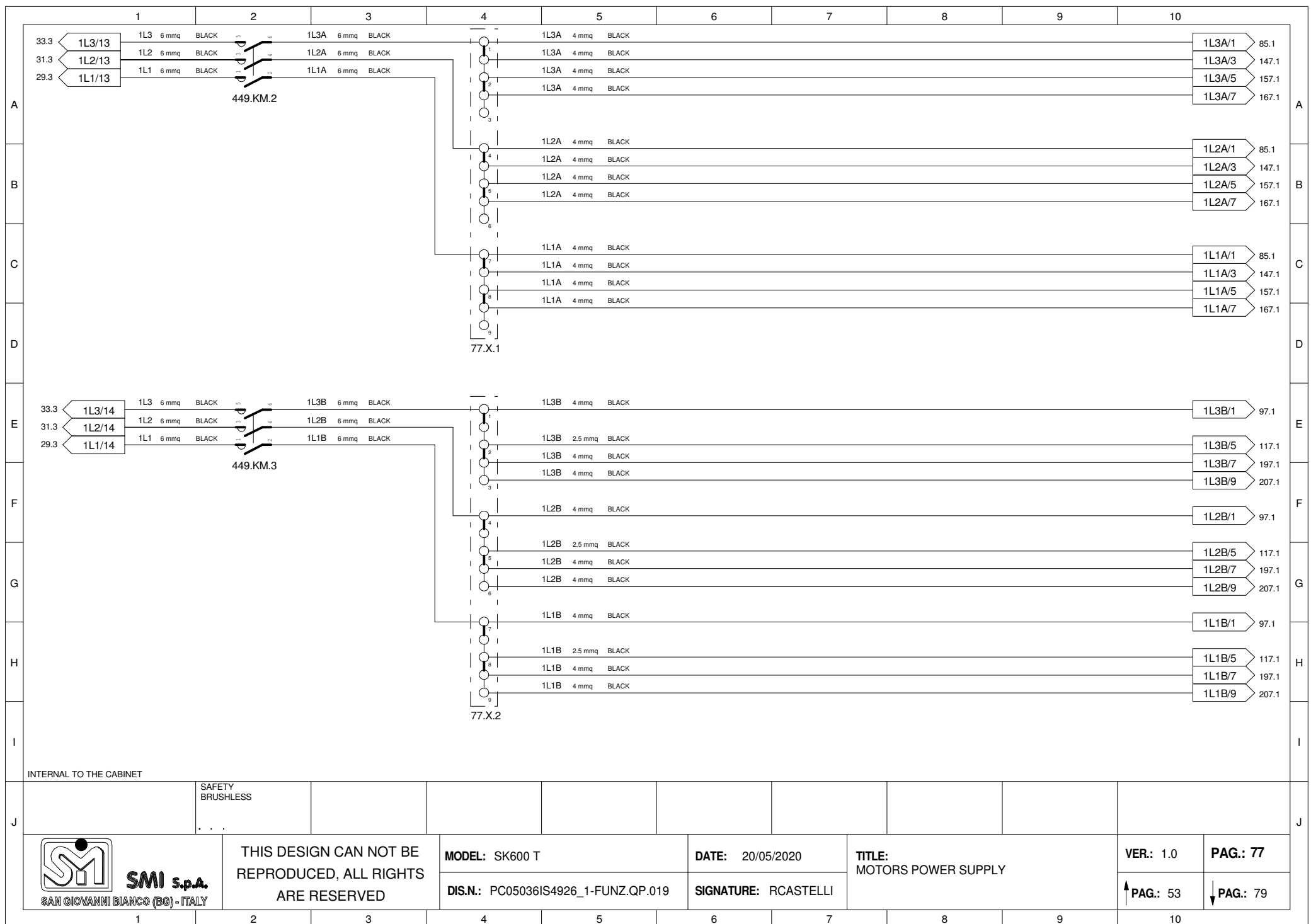
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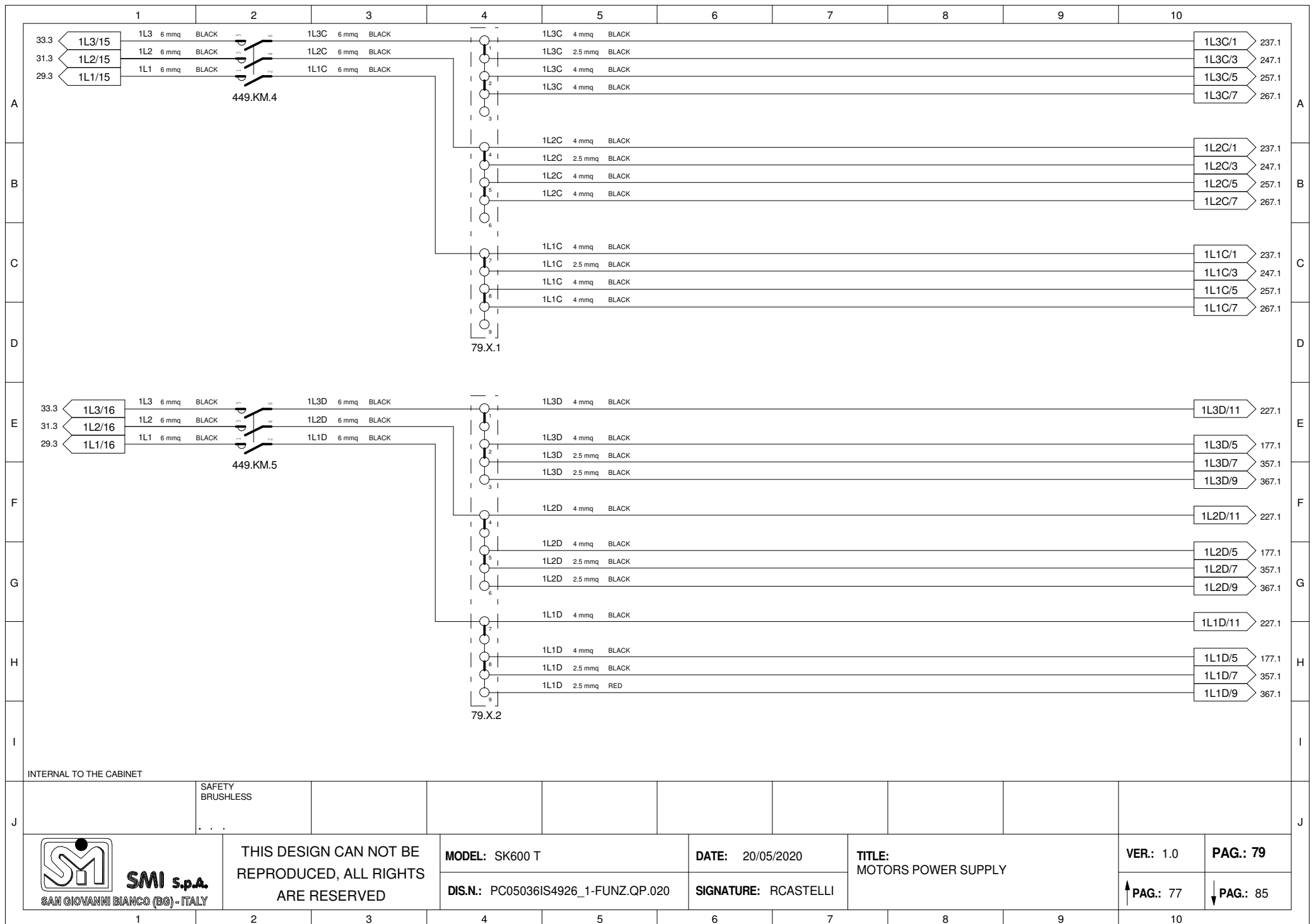
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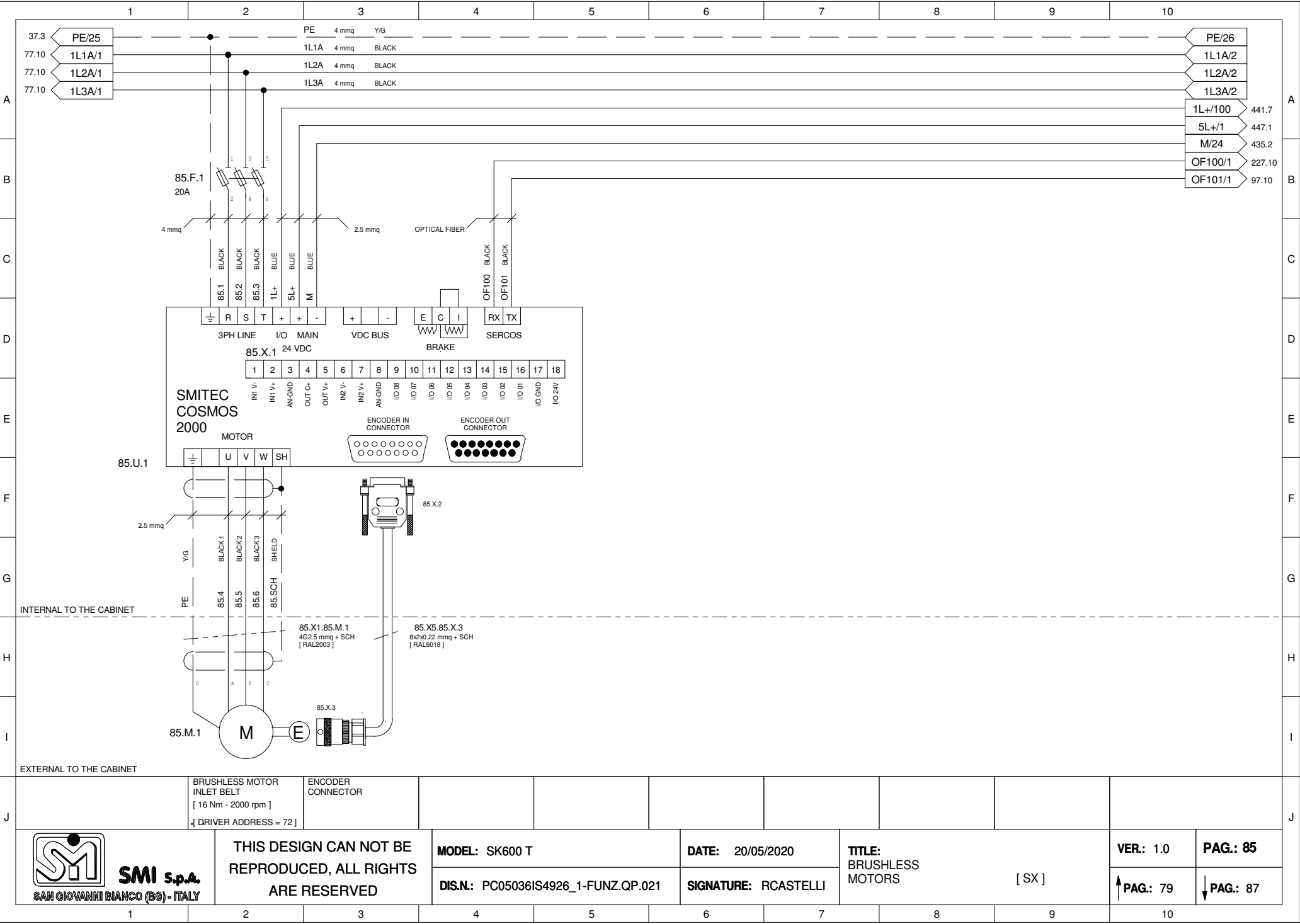


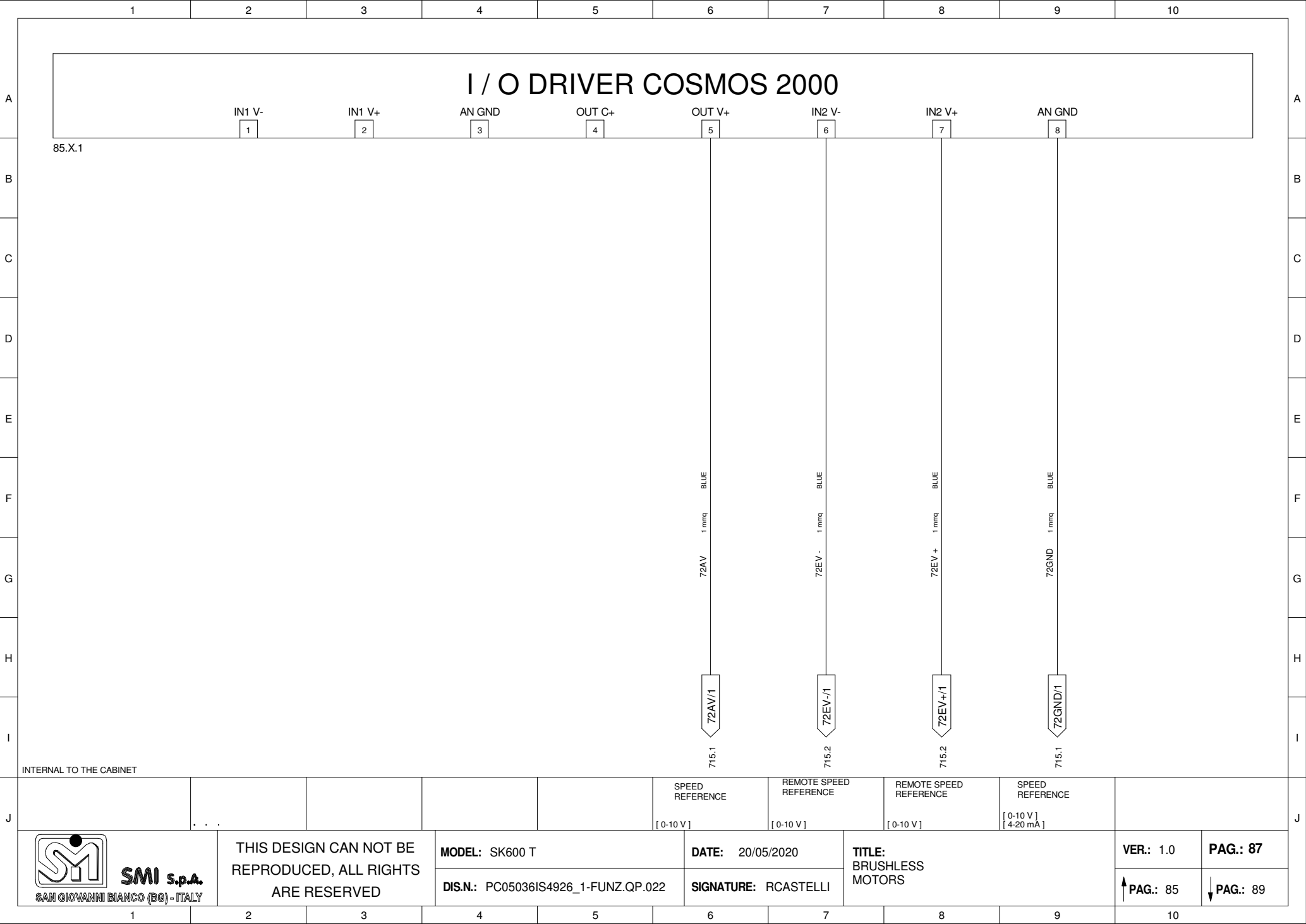












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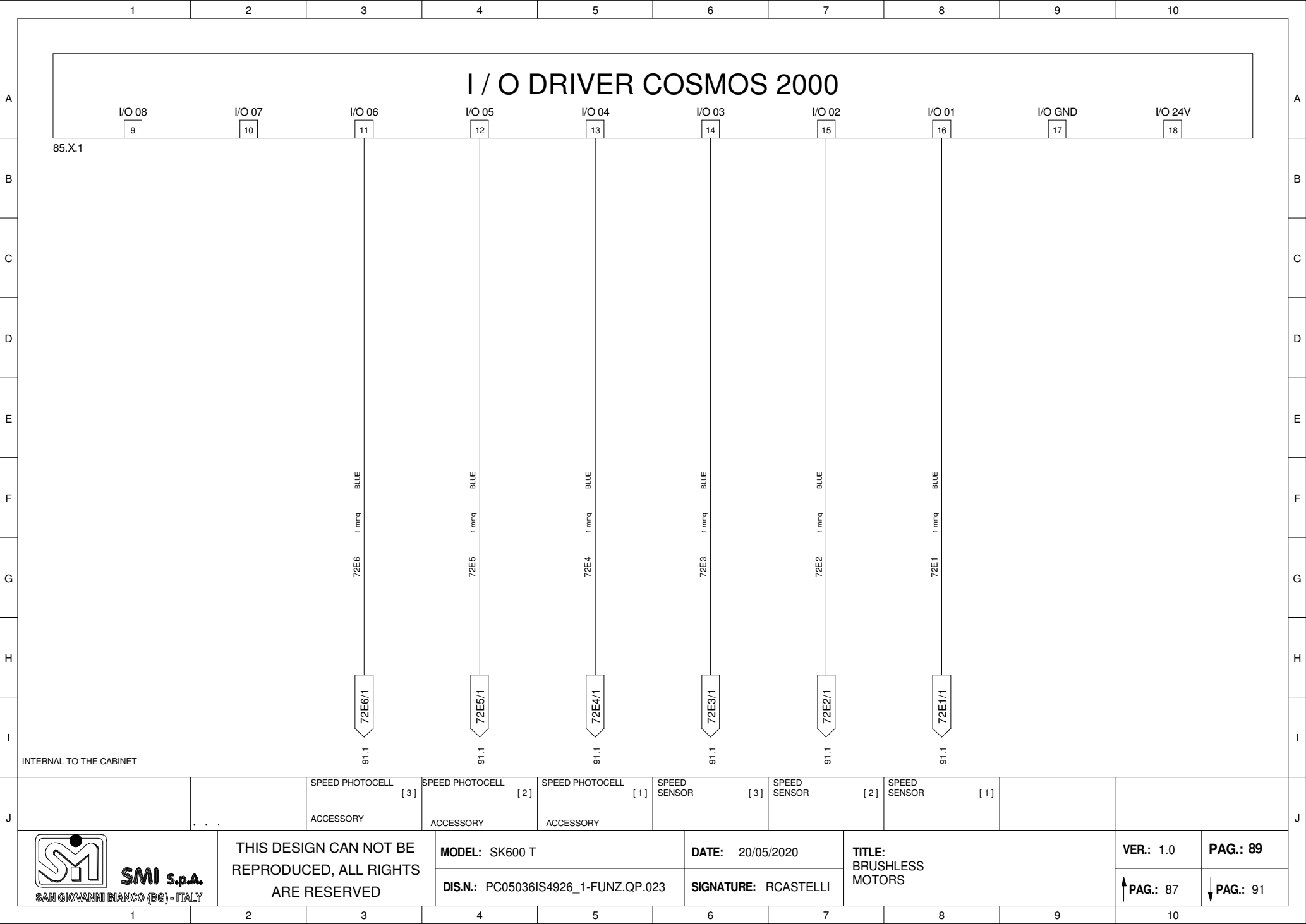
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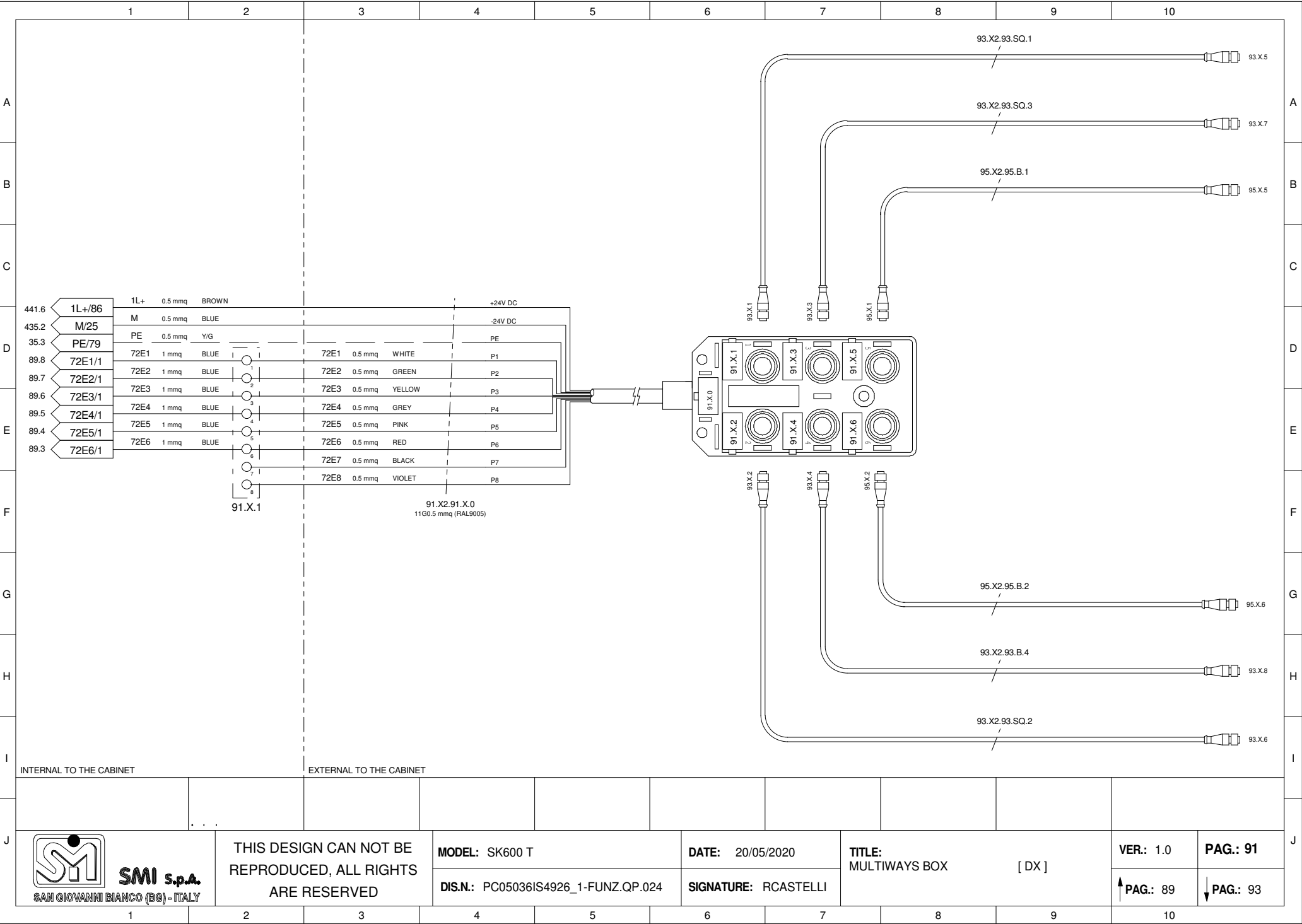
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MULTIWAYS BOX

[ DX ]

**VER.:** 1.0

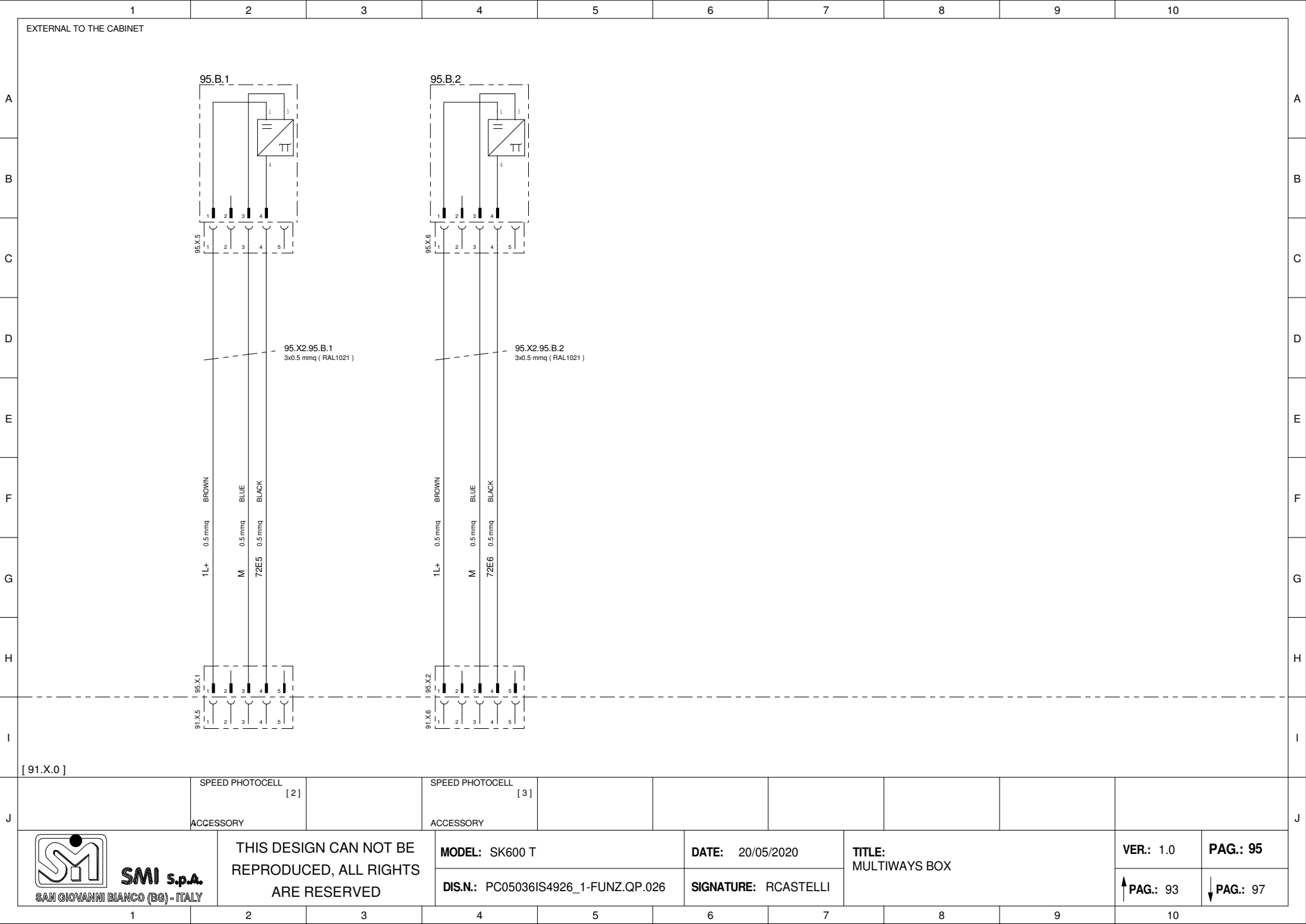
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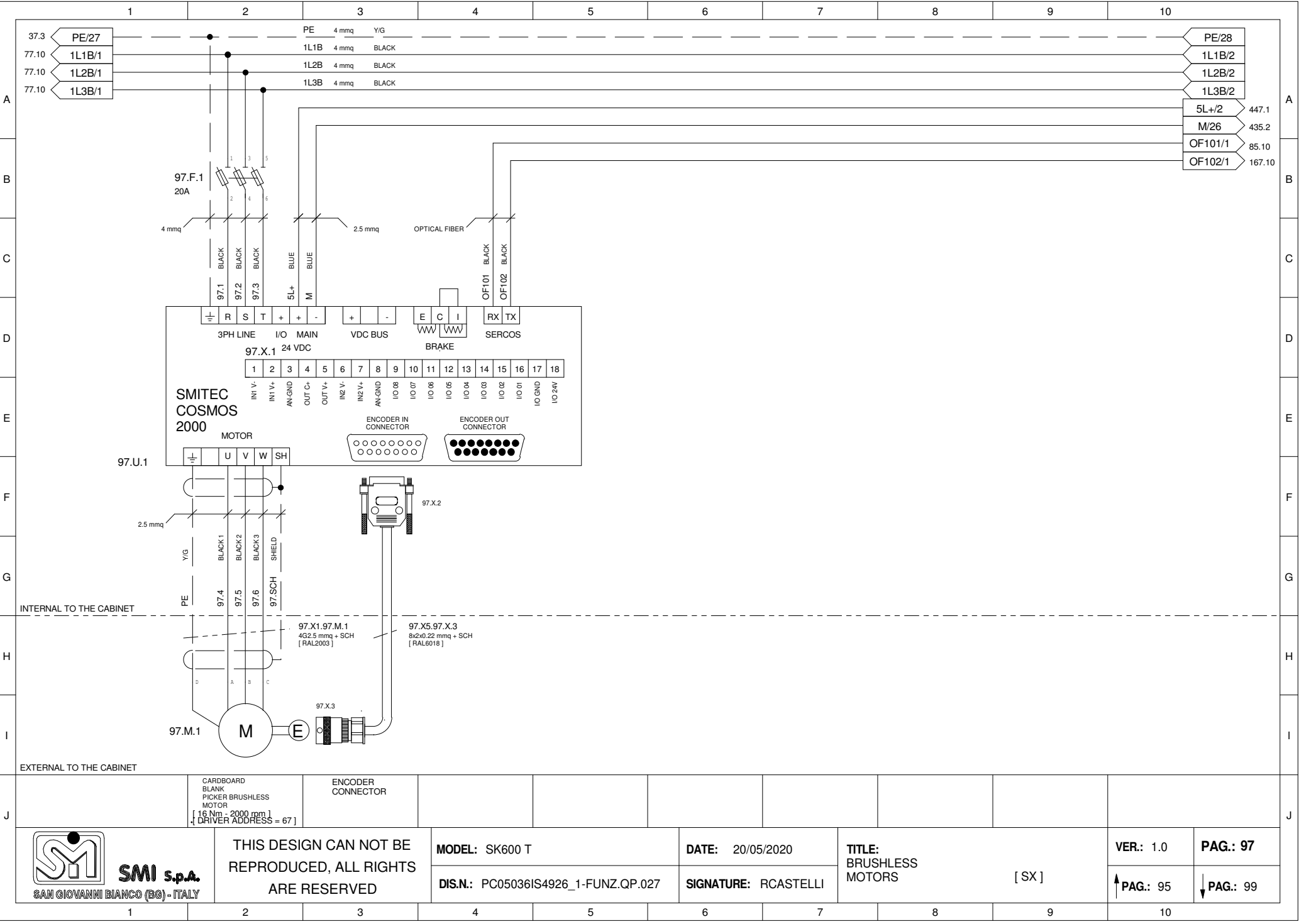
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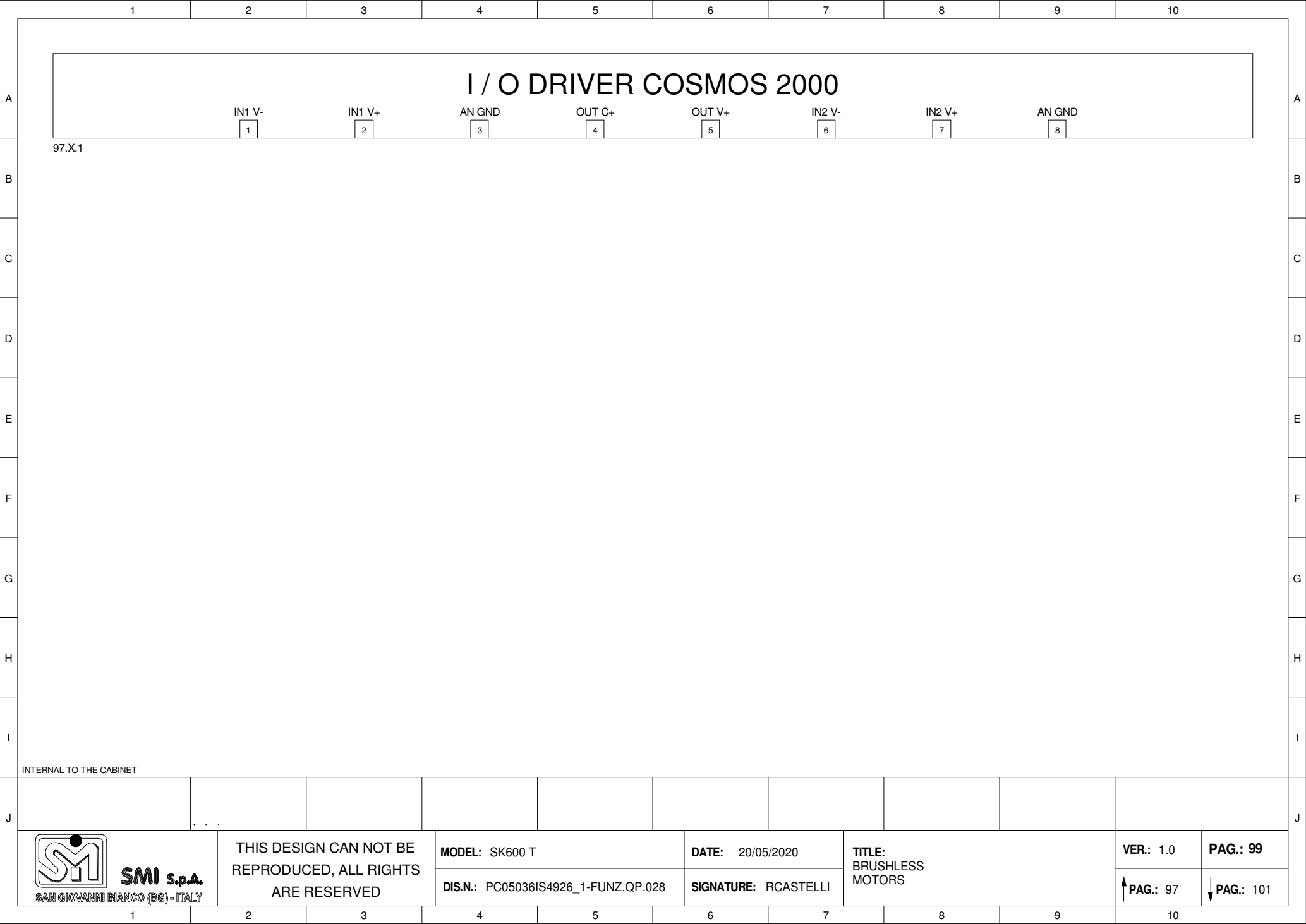
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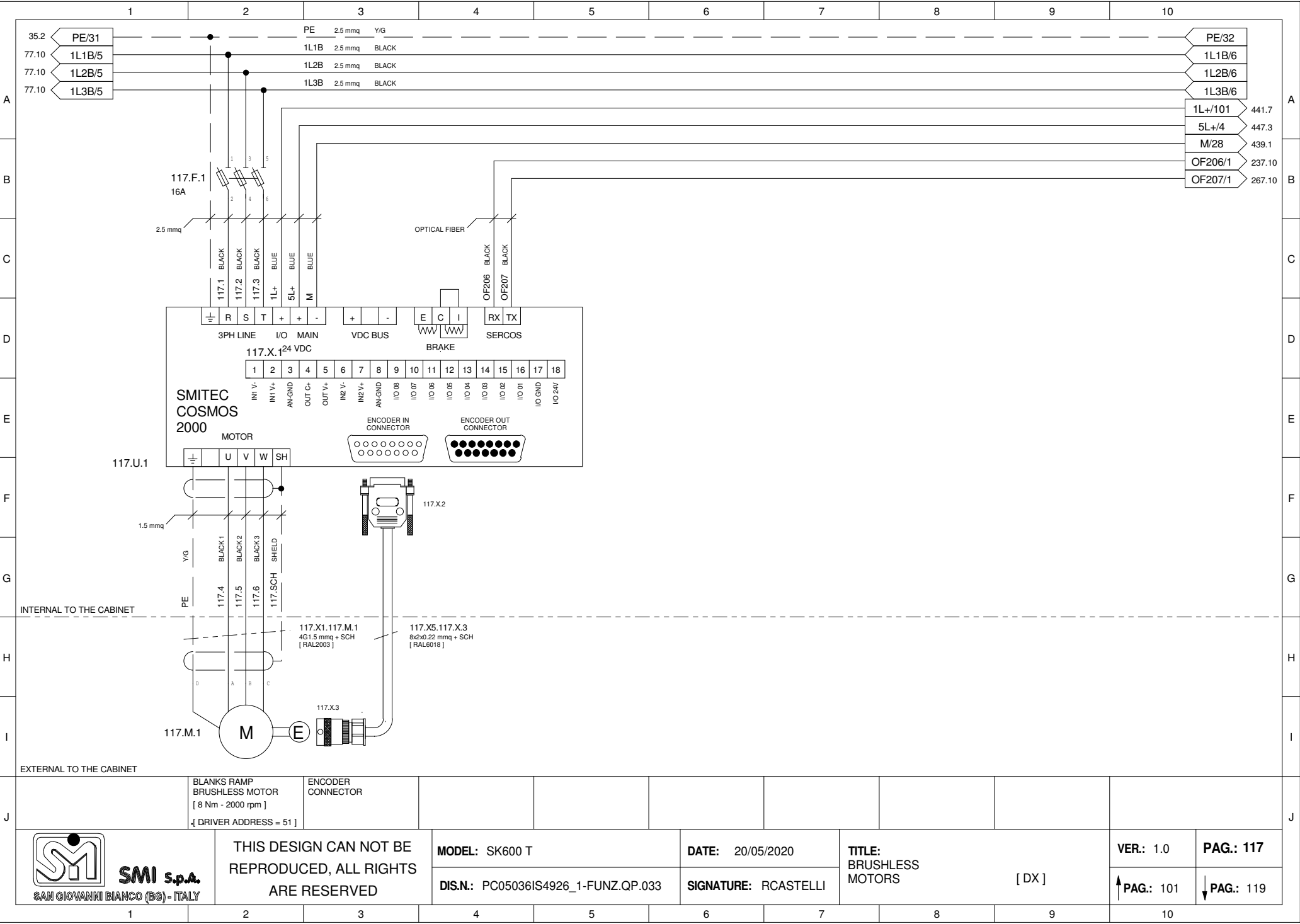


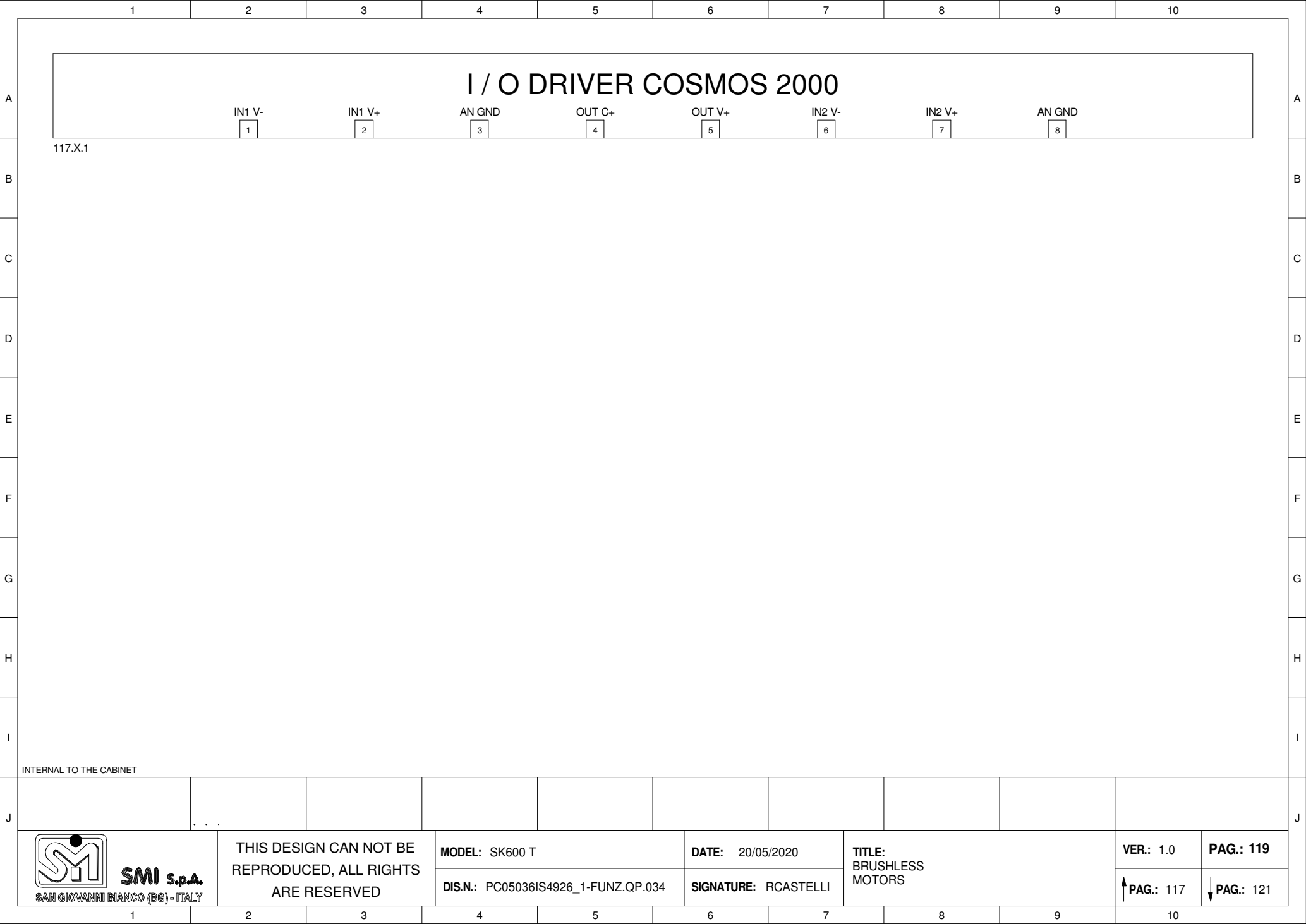






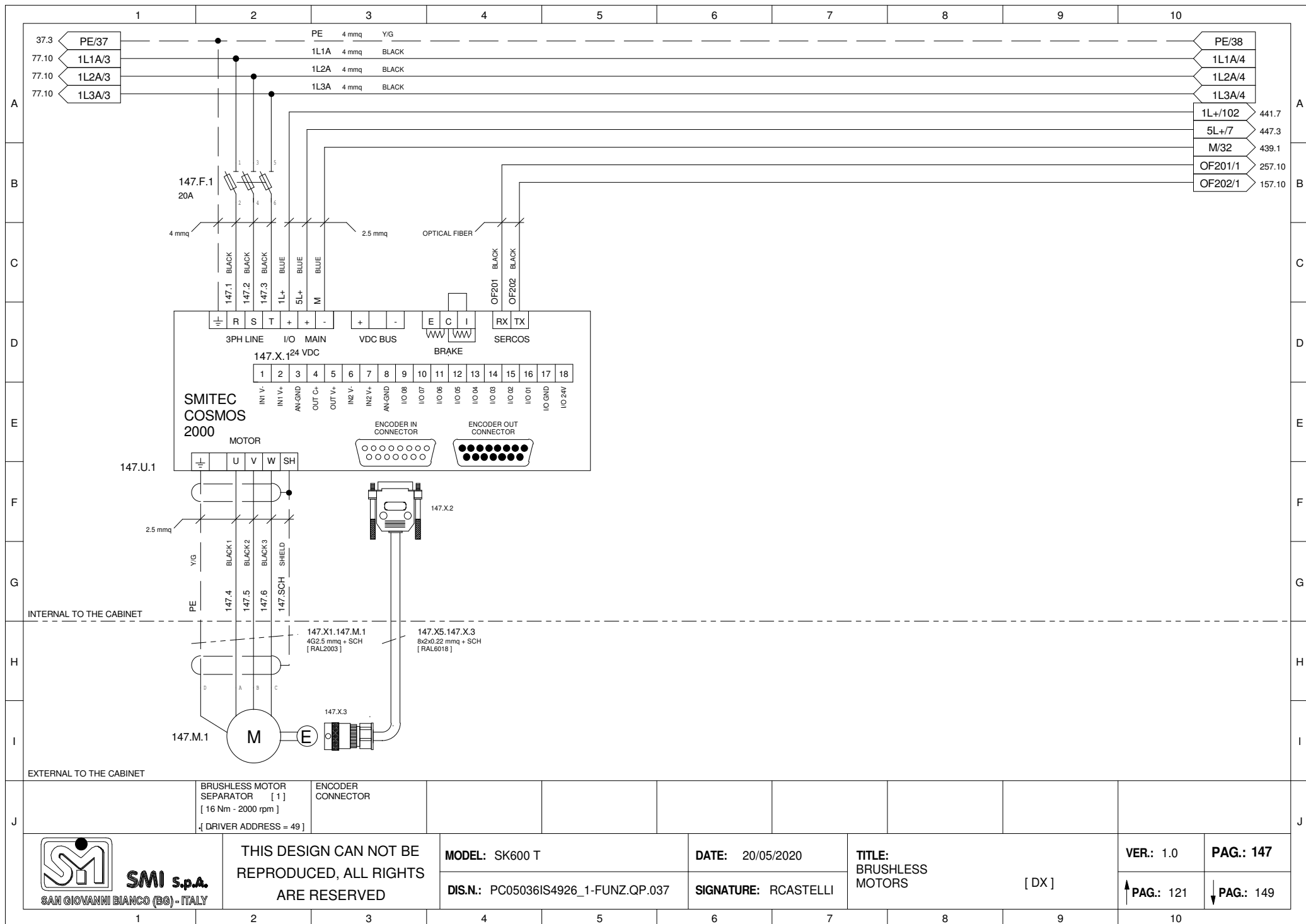


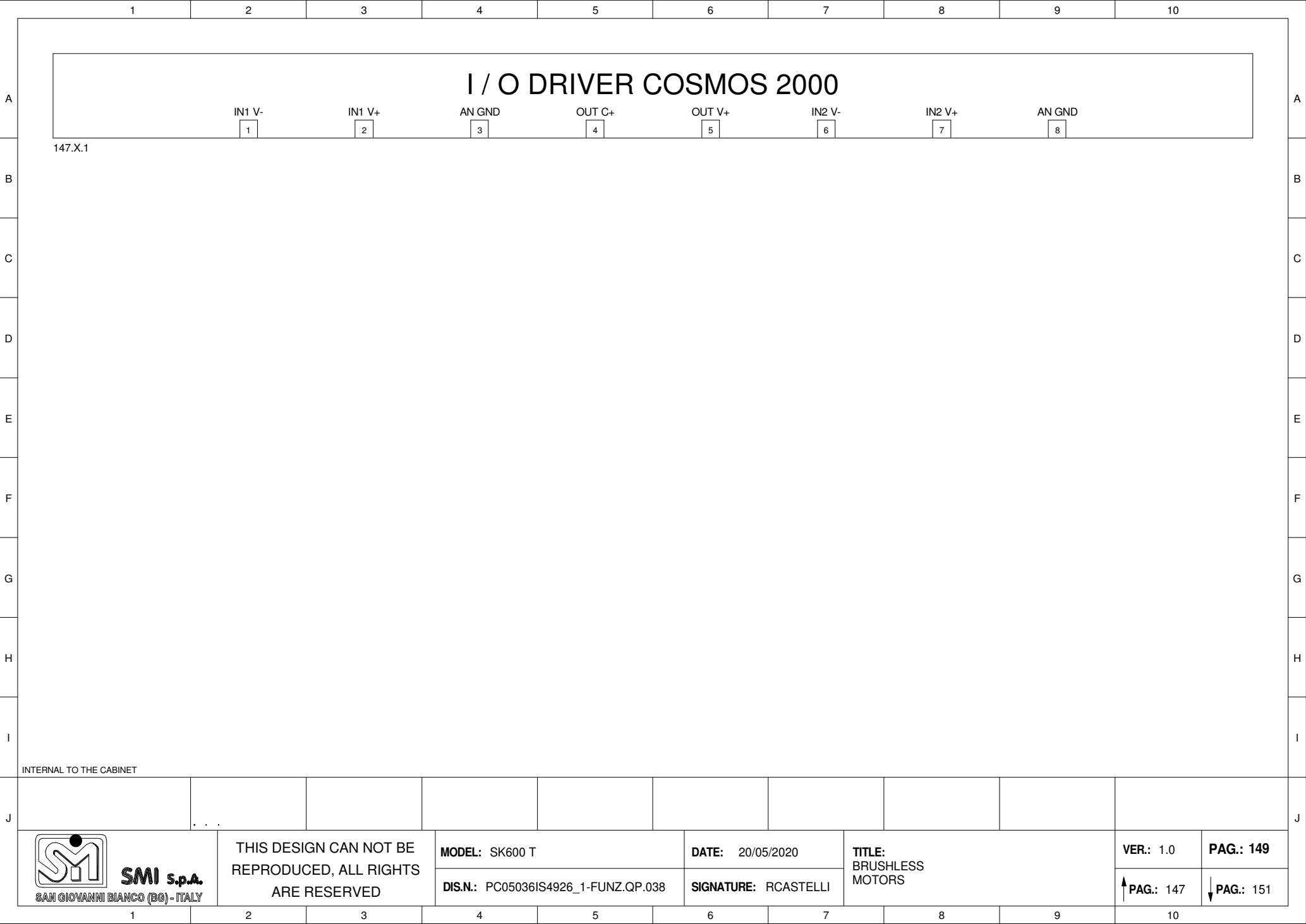


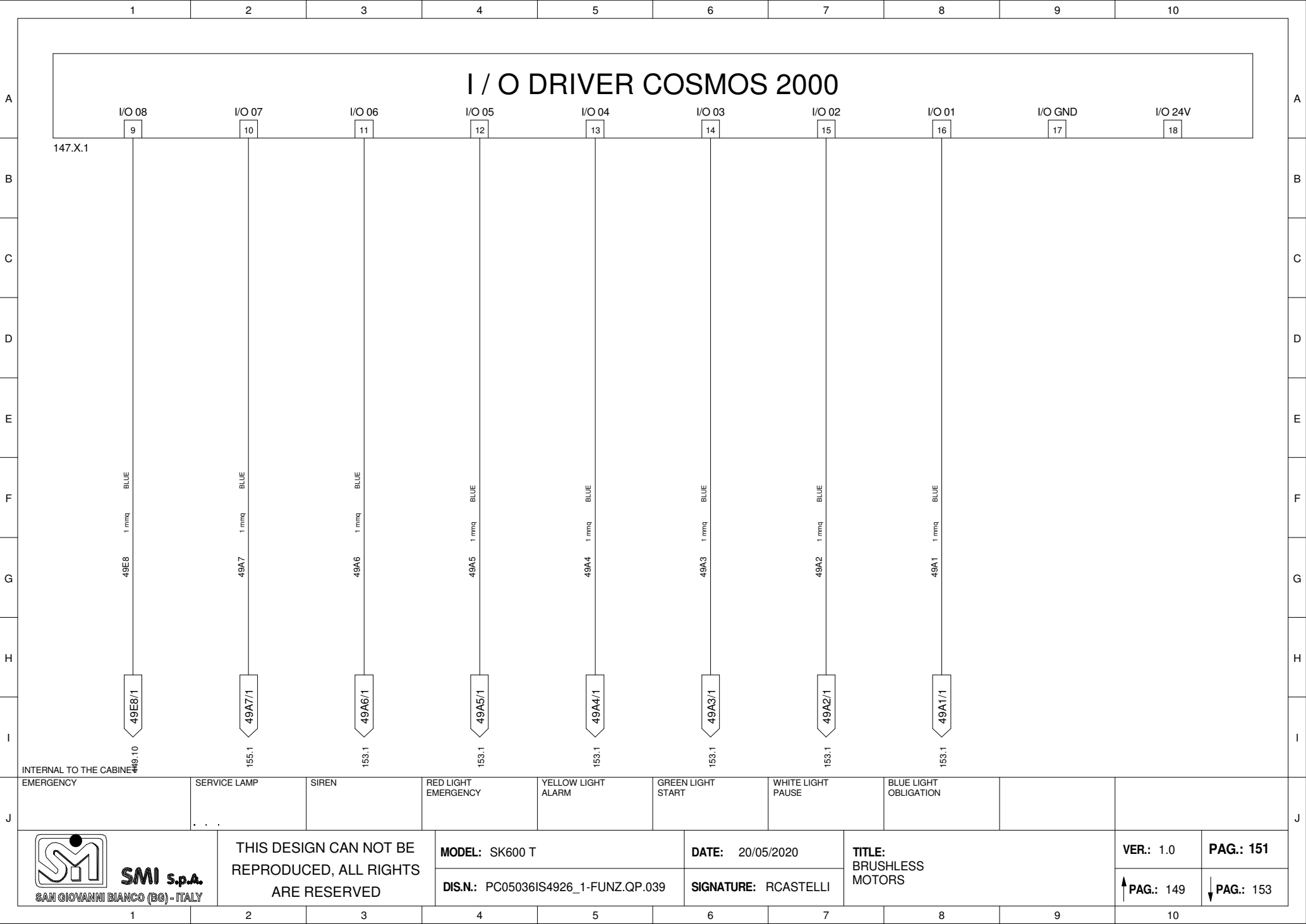


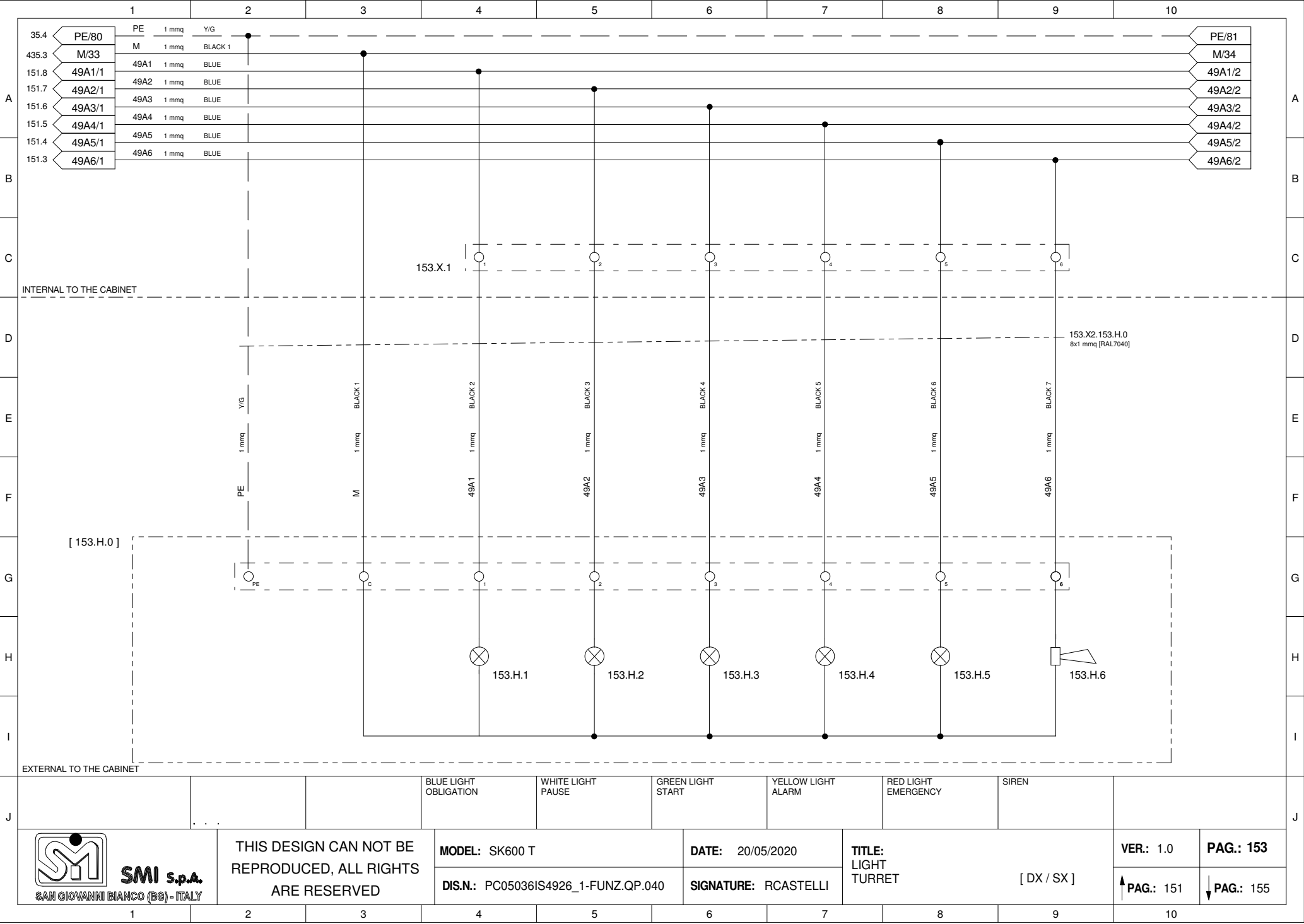
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J	INTERNAL TO THE CABINET										J
<div><div><div><div></div></div><div></div></div><div><div>SMI s.p.a.</div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: BRUSHLESS MOTORS		VER.: 1.0	PAG.: 121
				DIS.N.: PC05036IS4926_1-FUNZ.QP.035		SIGNATURE: RCASTELLI				↑ PAG.: 119	↓ PAG.: 147
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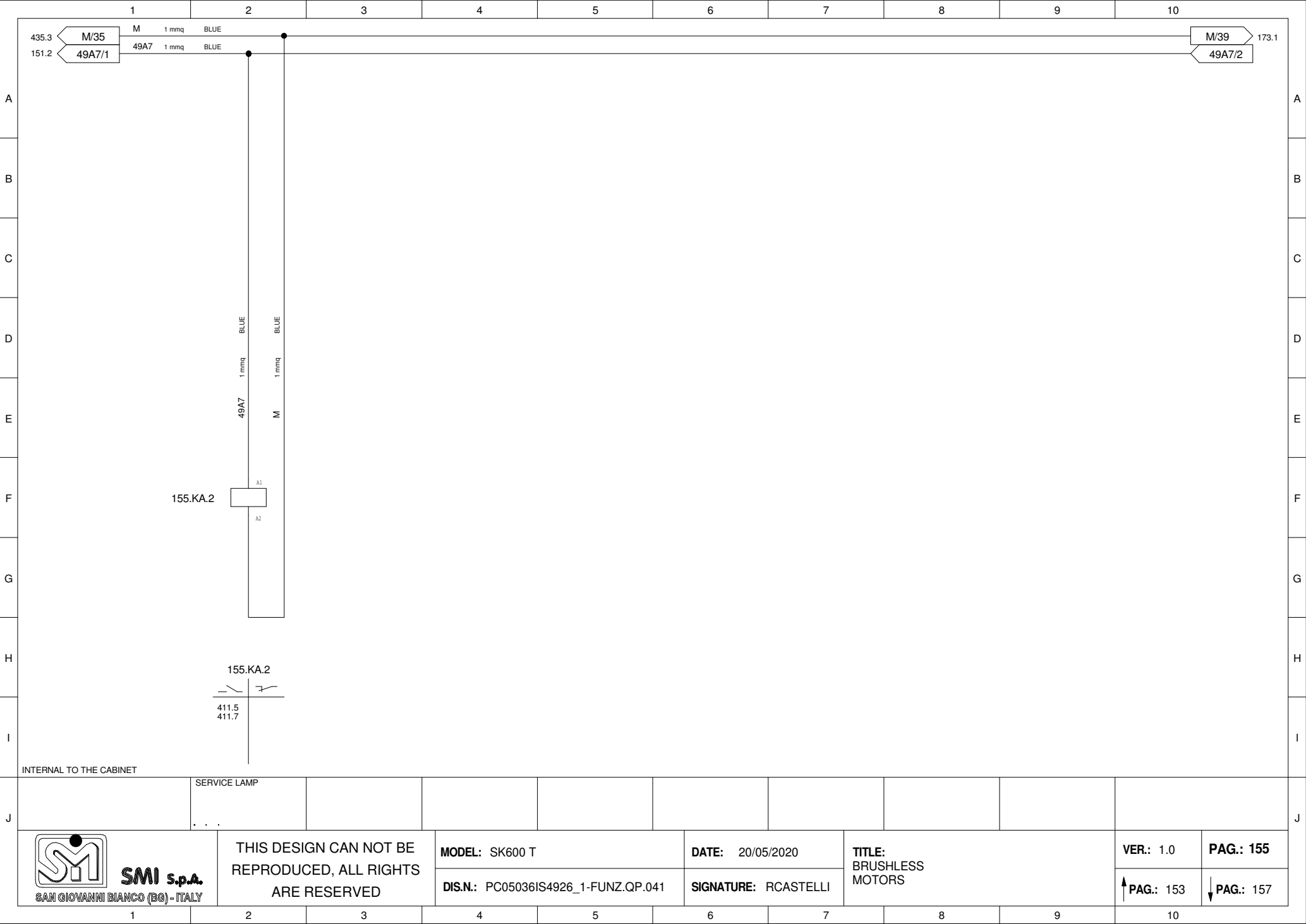


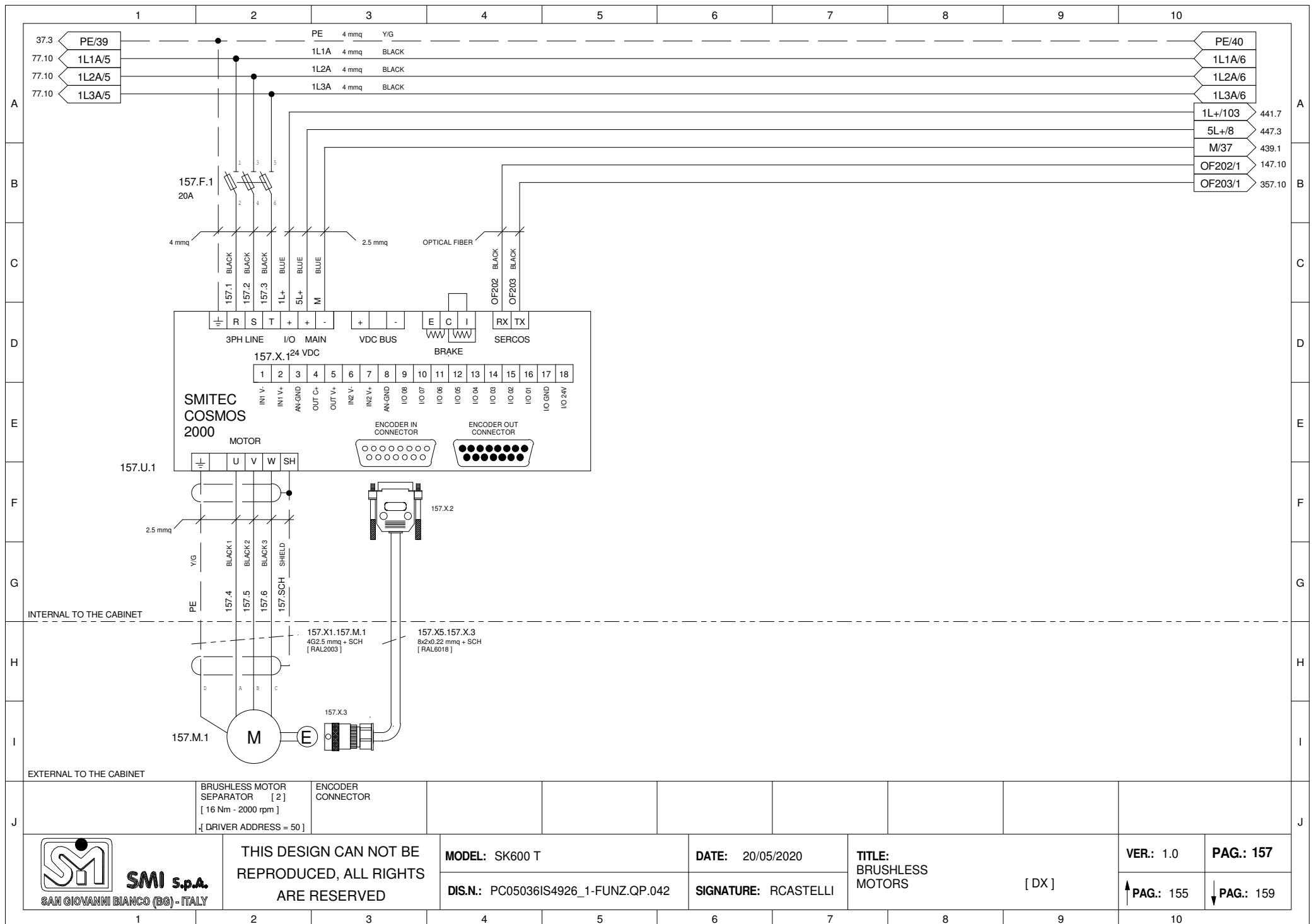


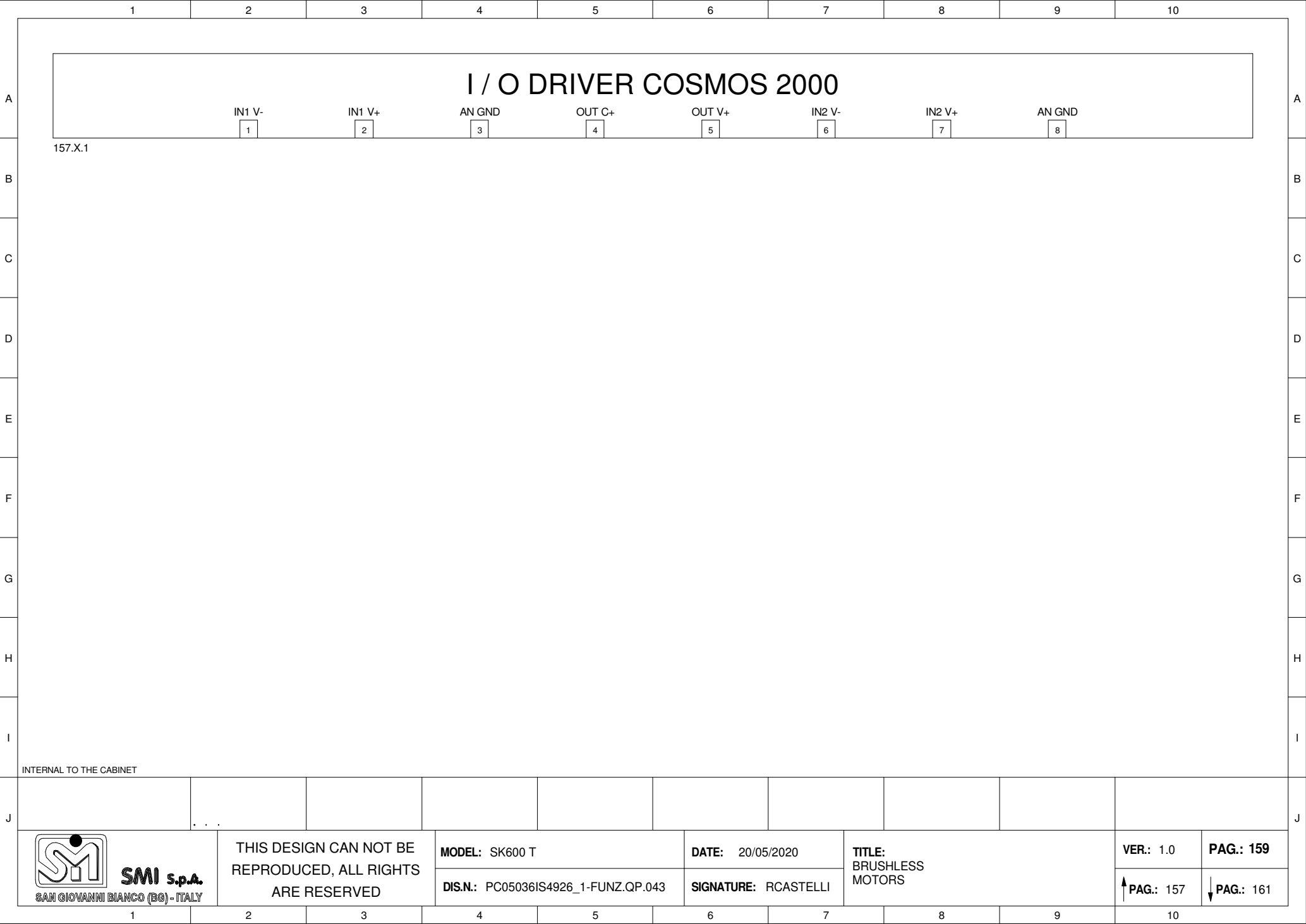


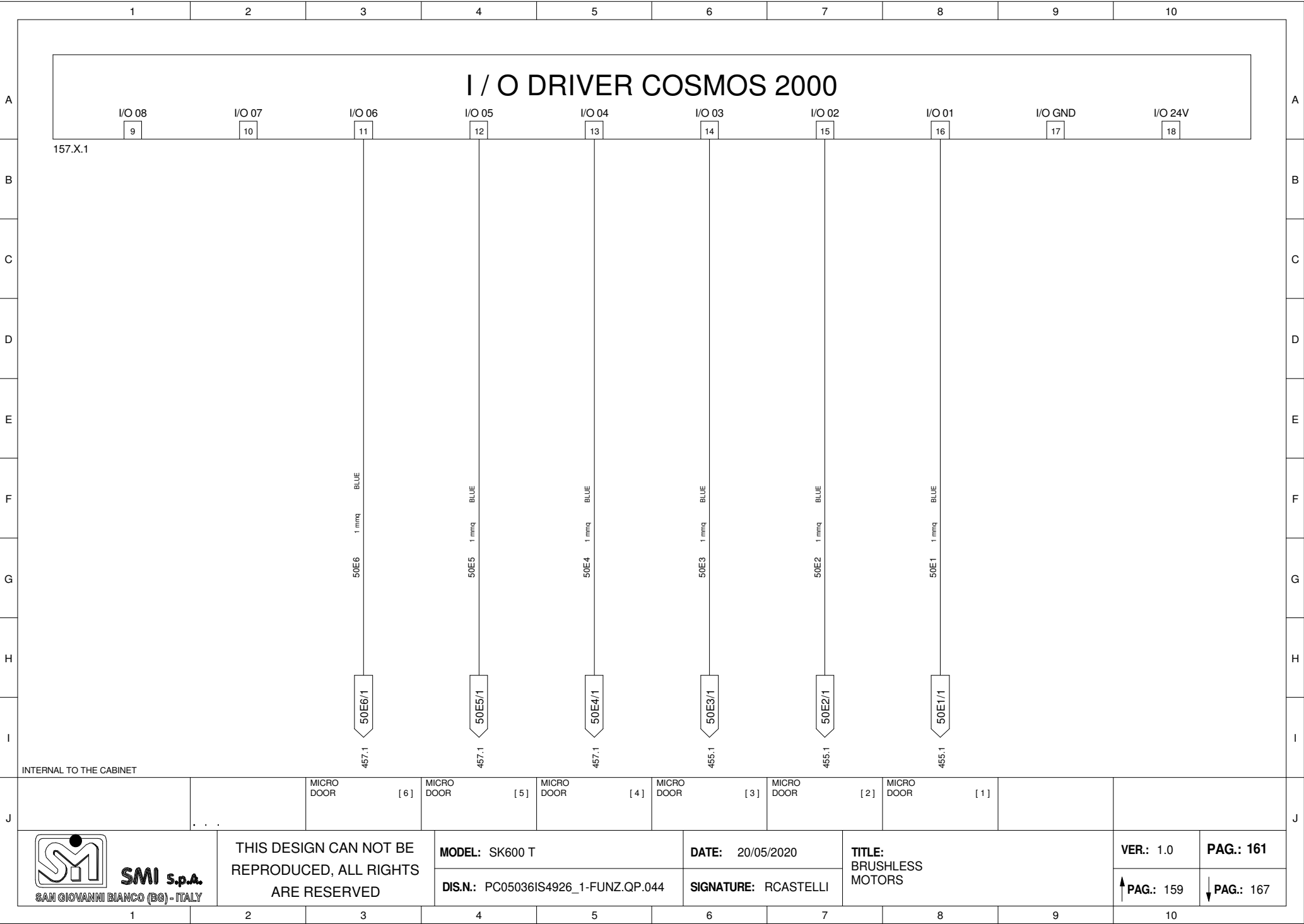




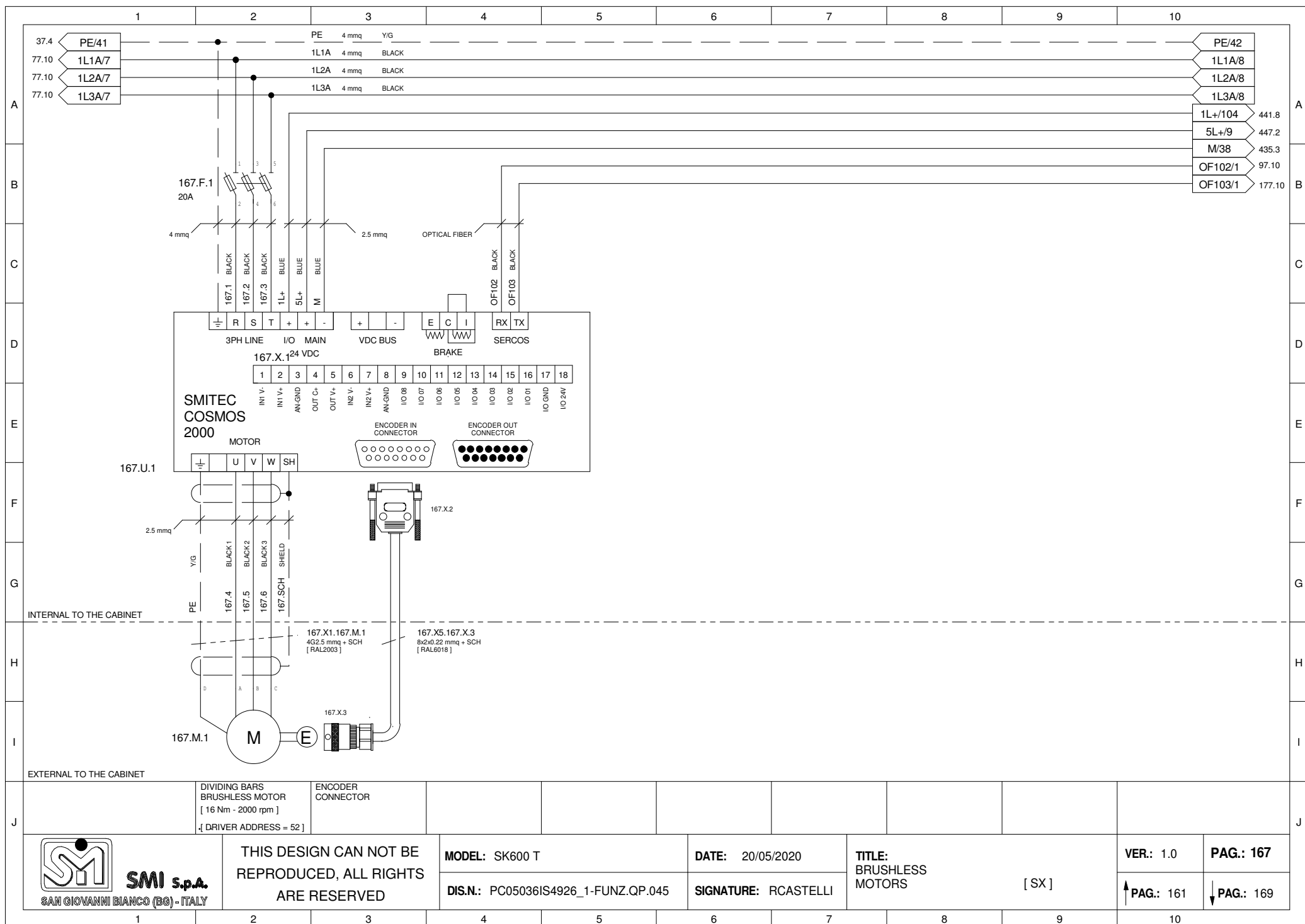


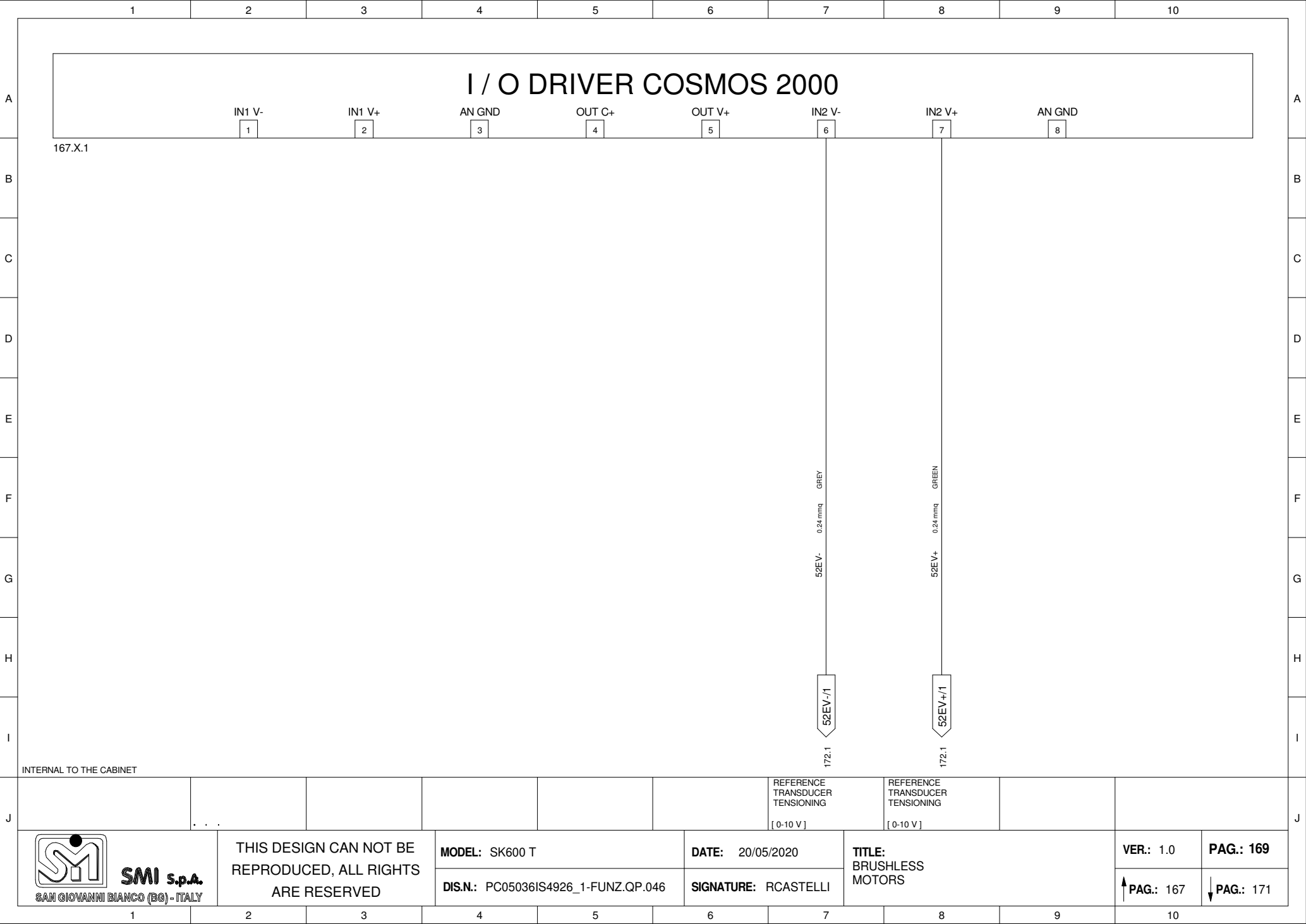


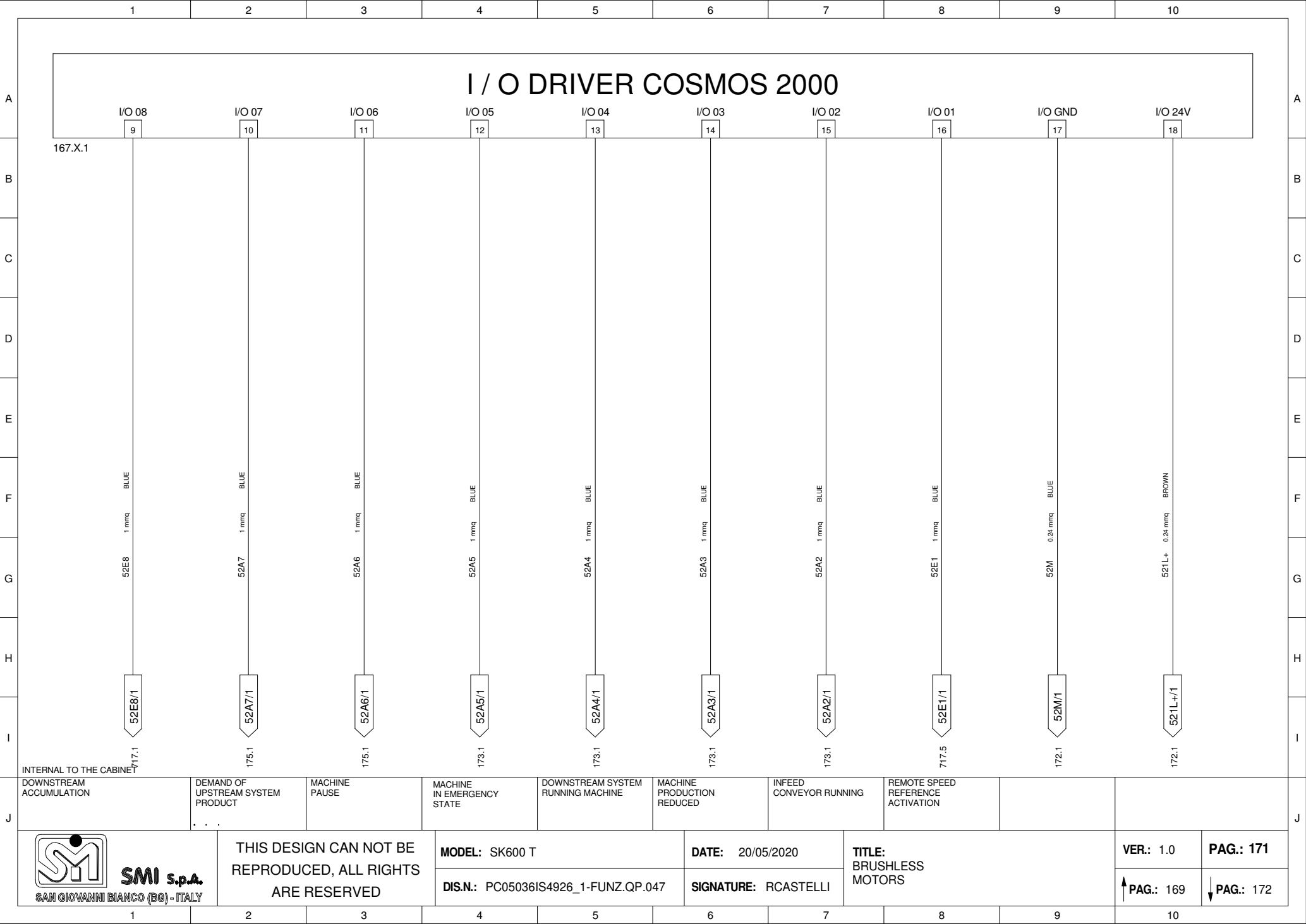


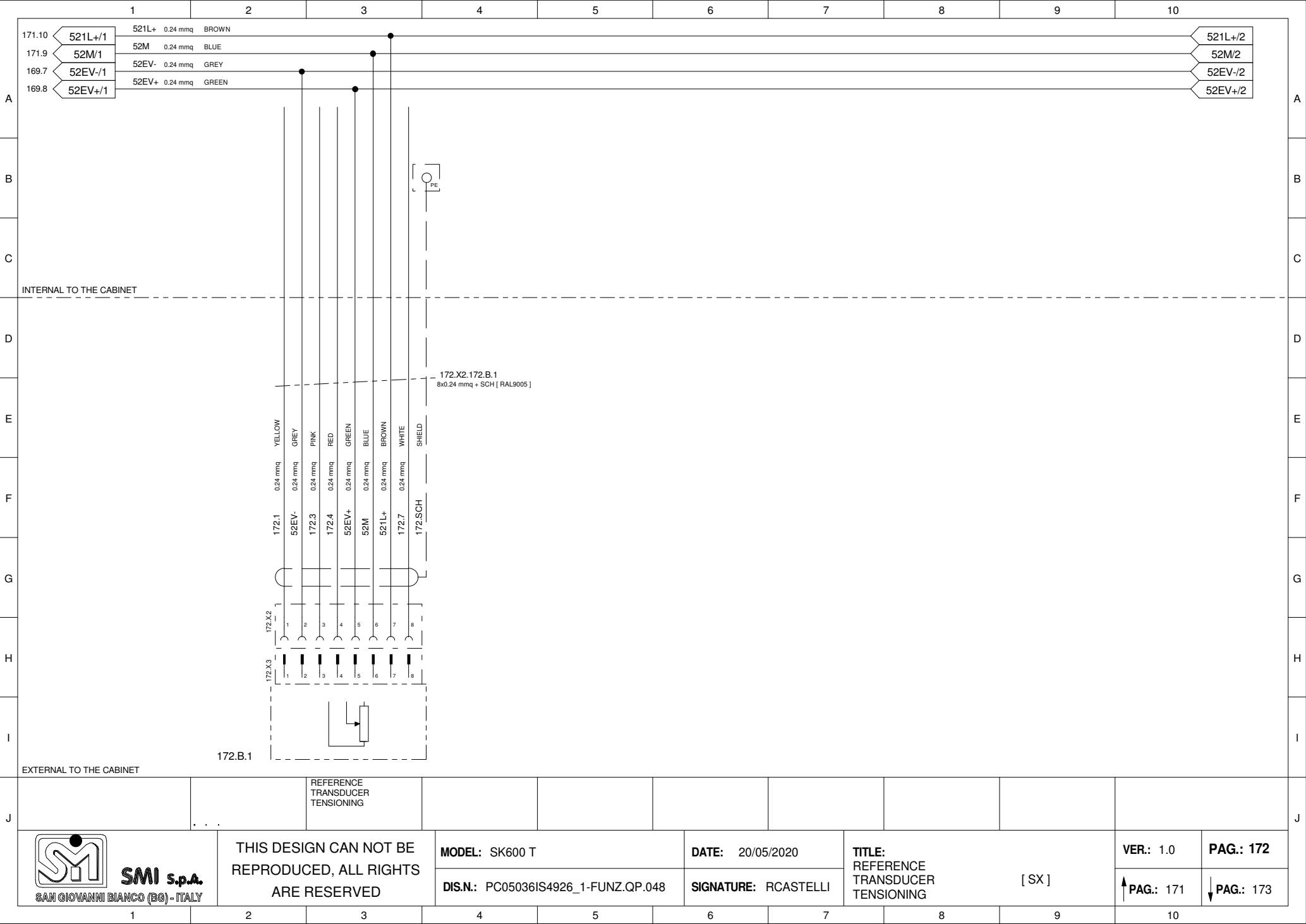


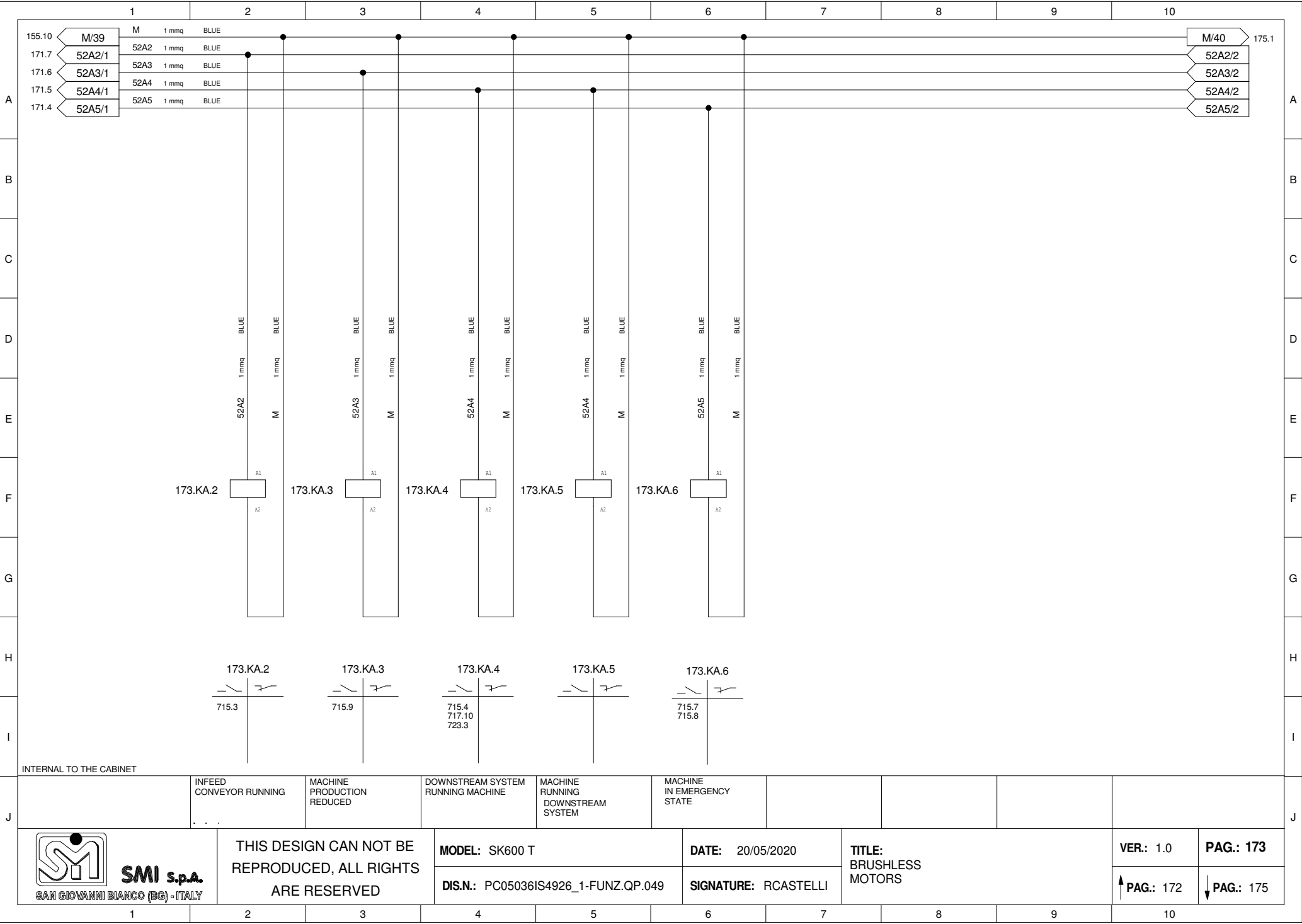


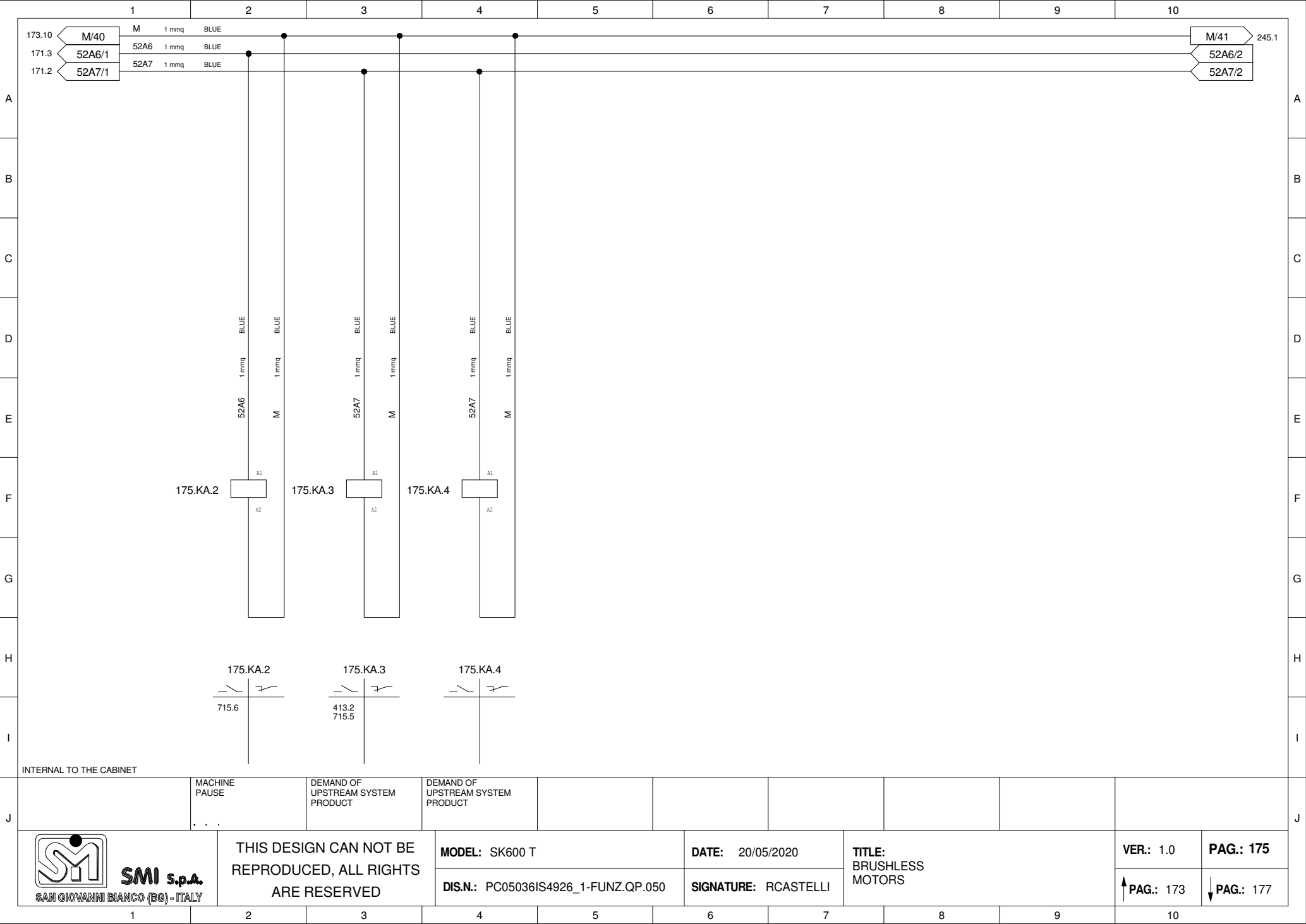


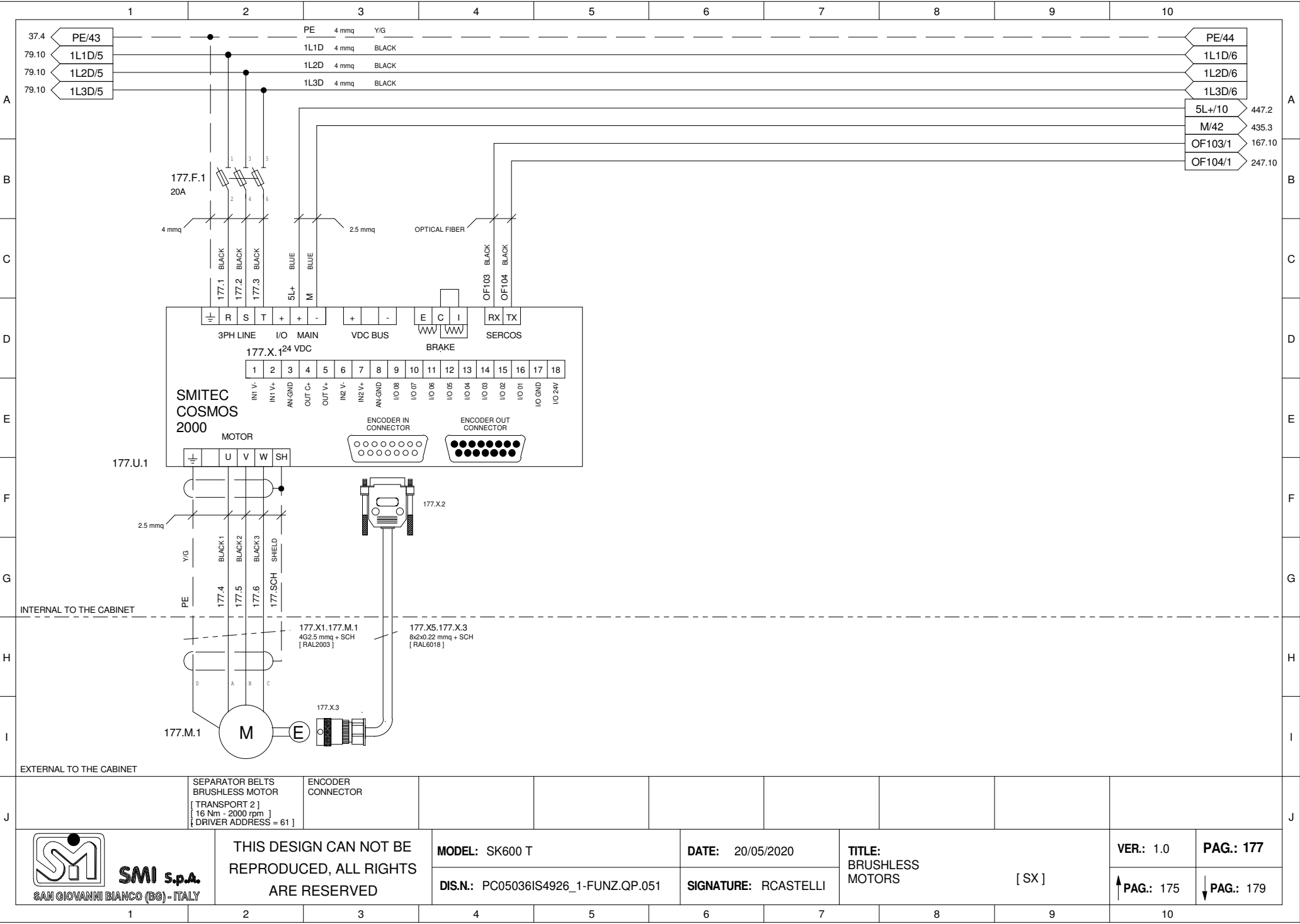


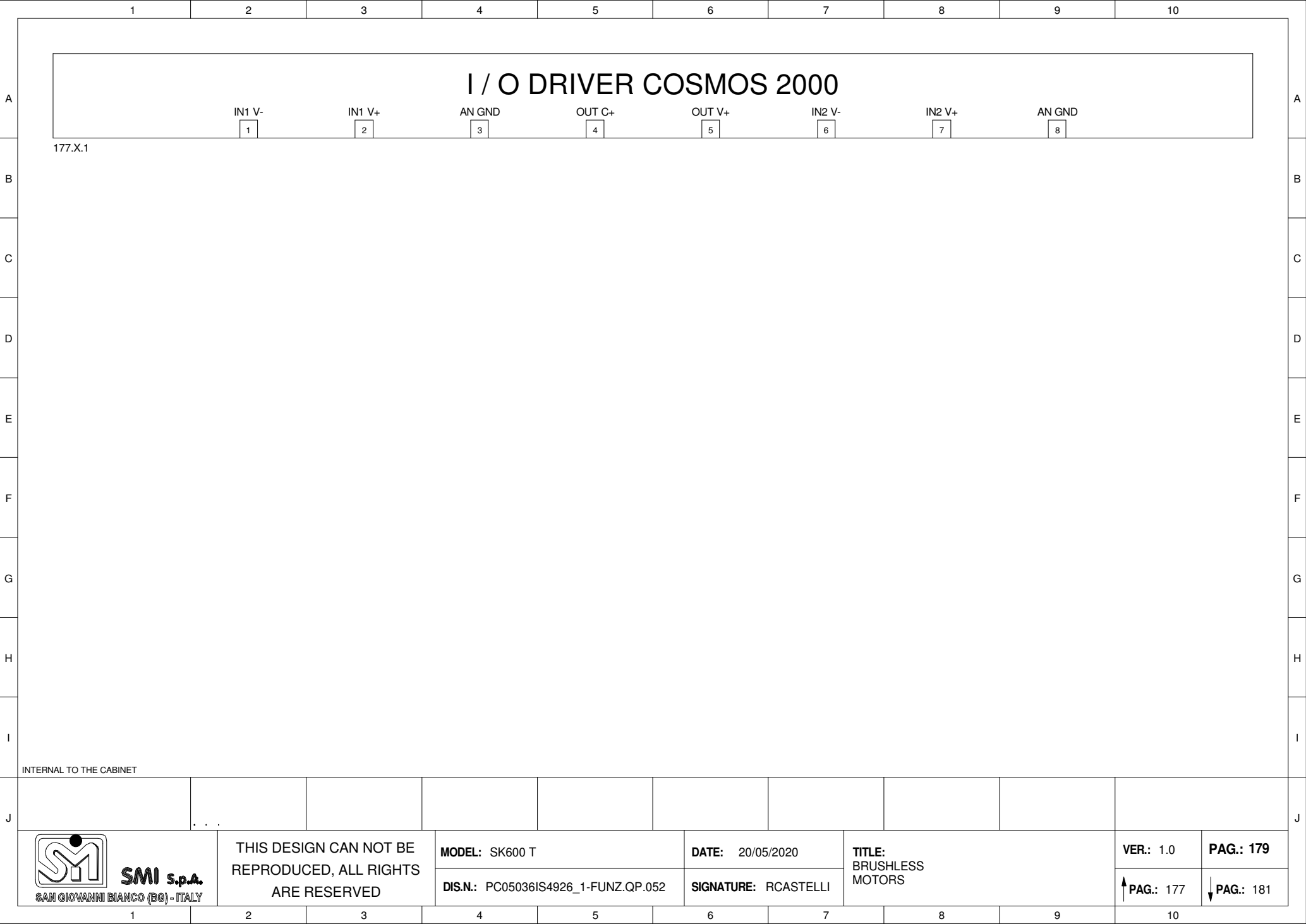




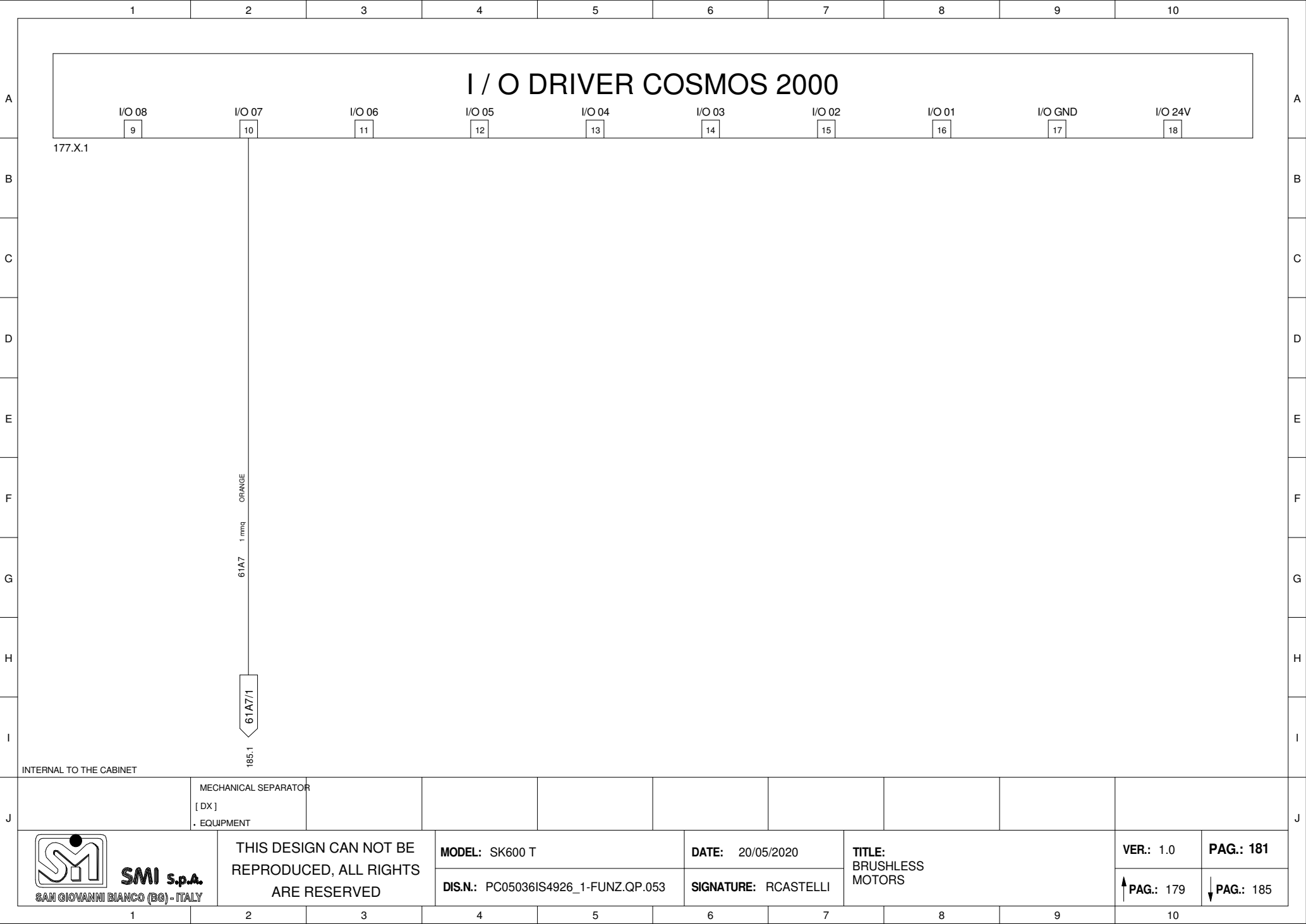












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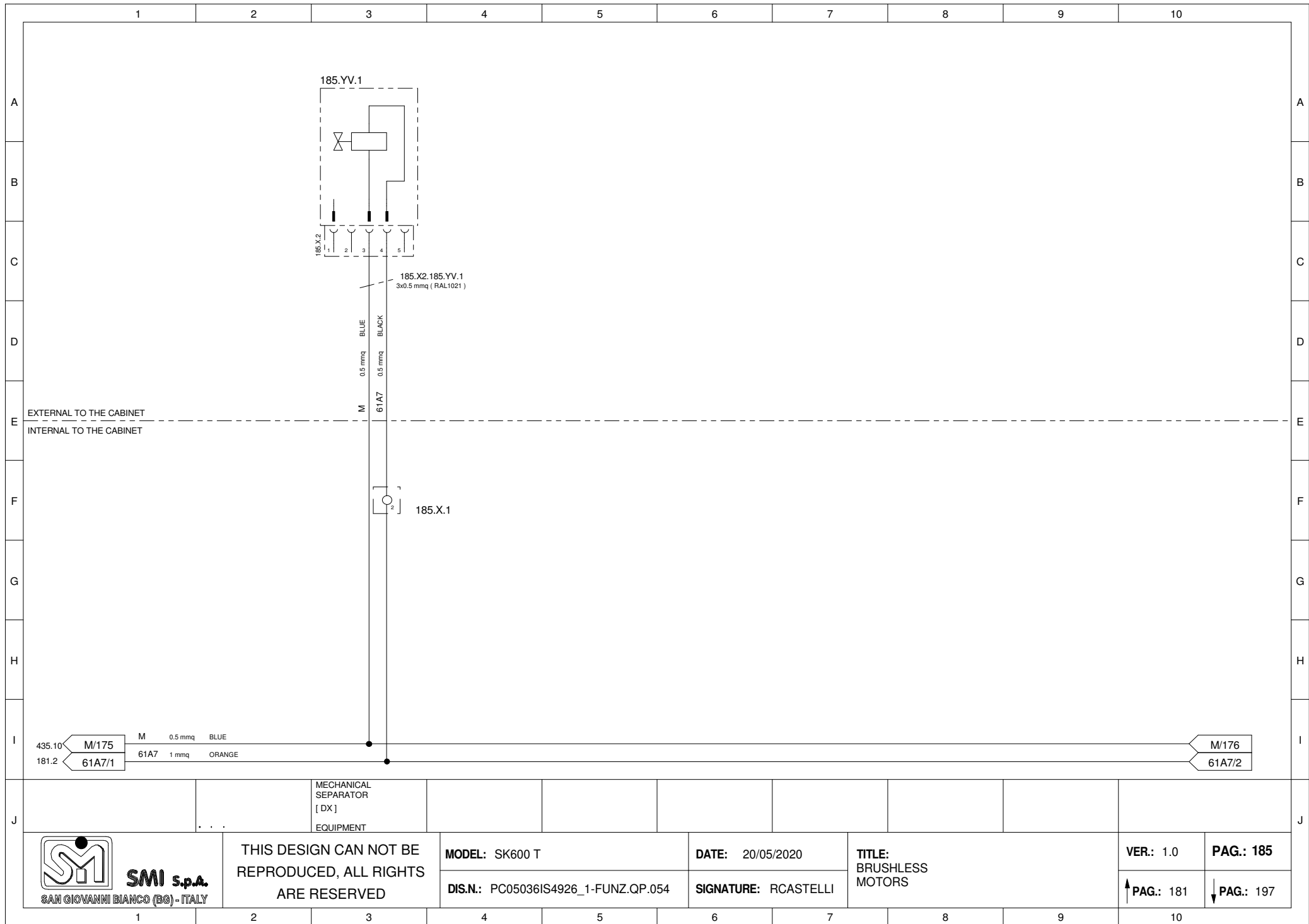
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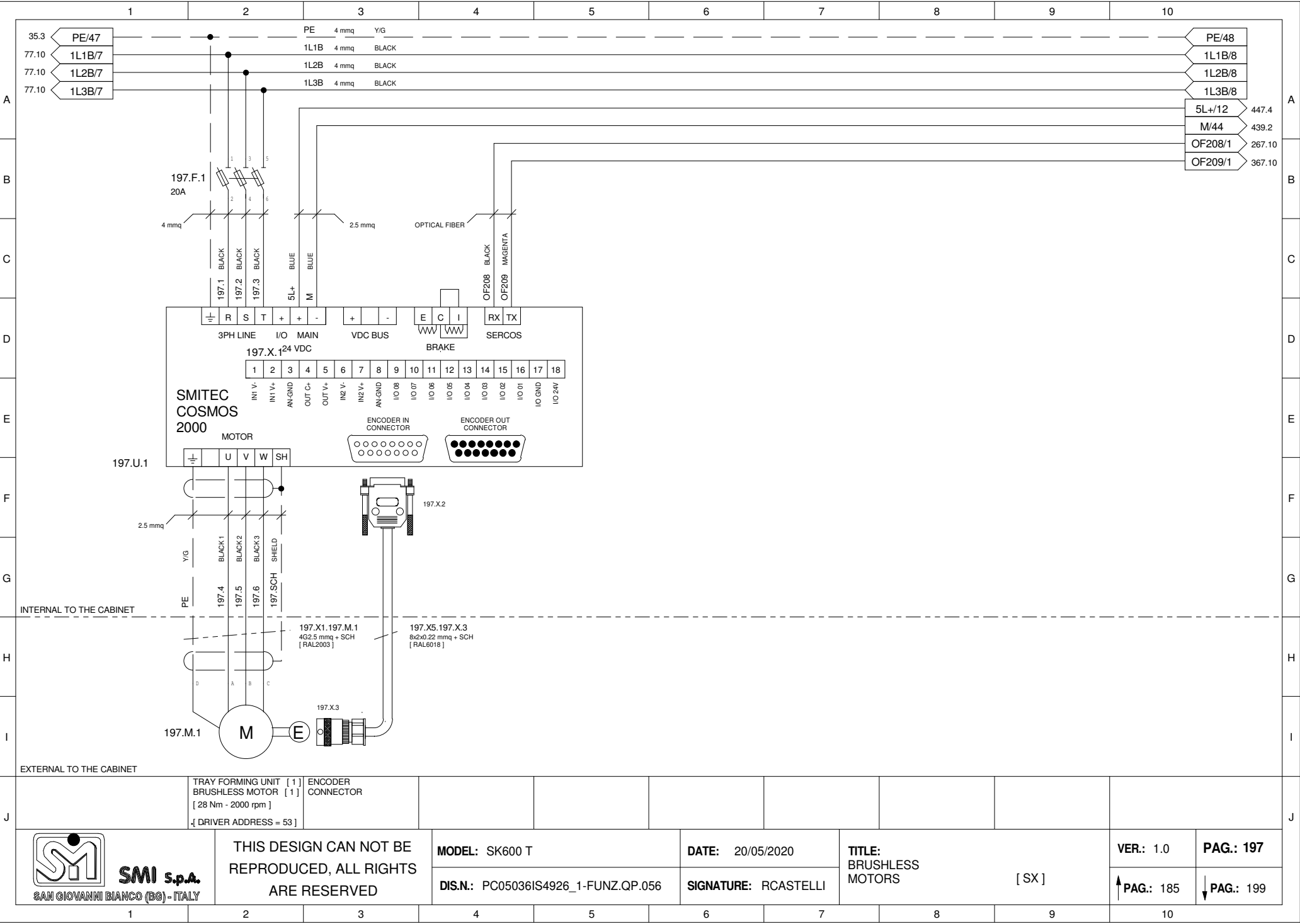
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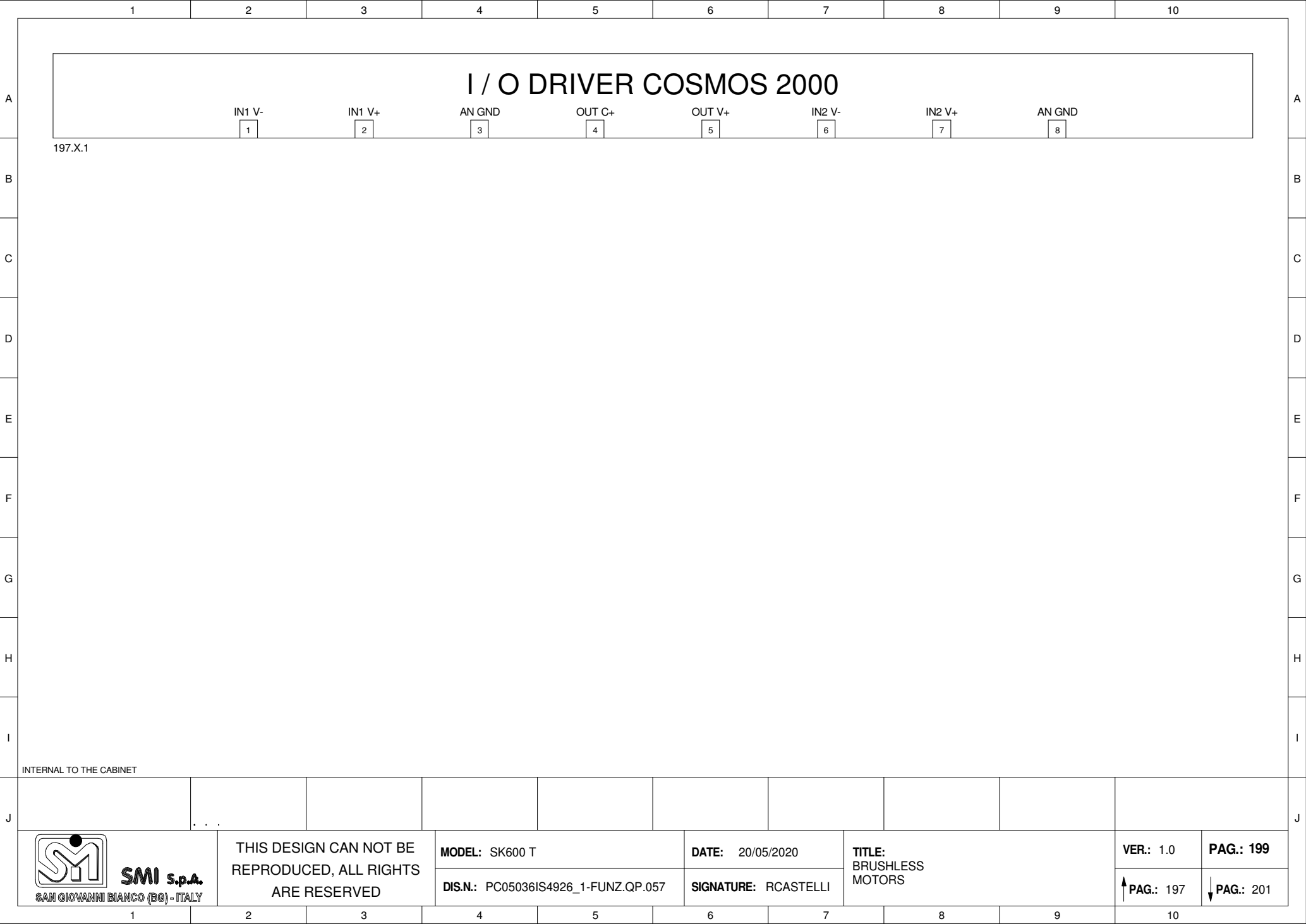
VER.: 1.0

PAG.: 185

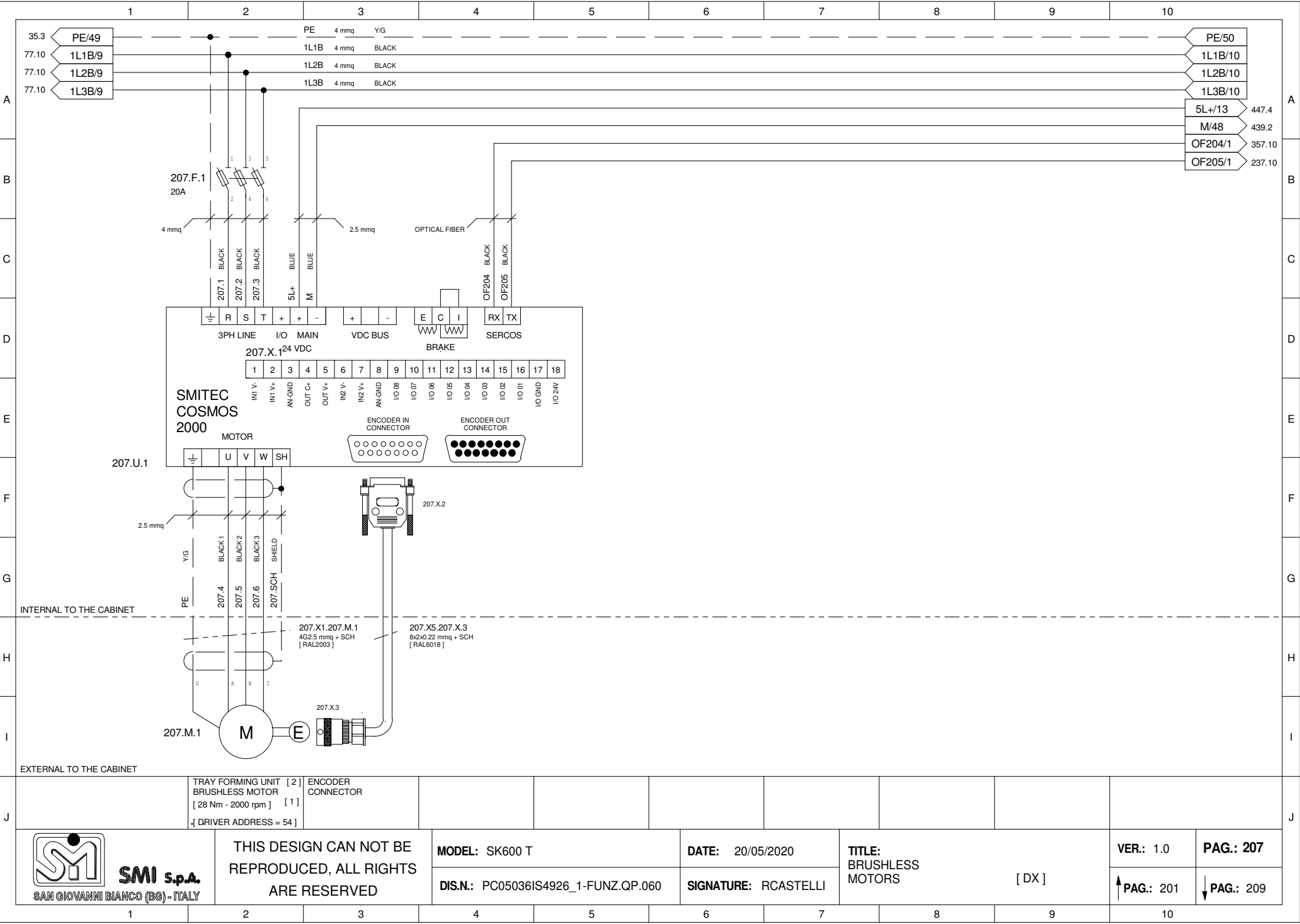
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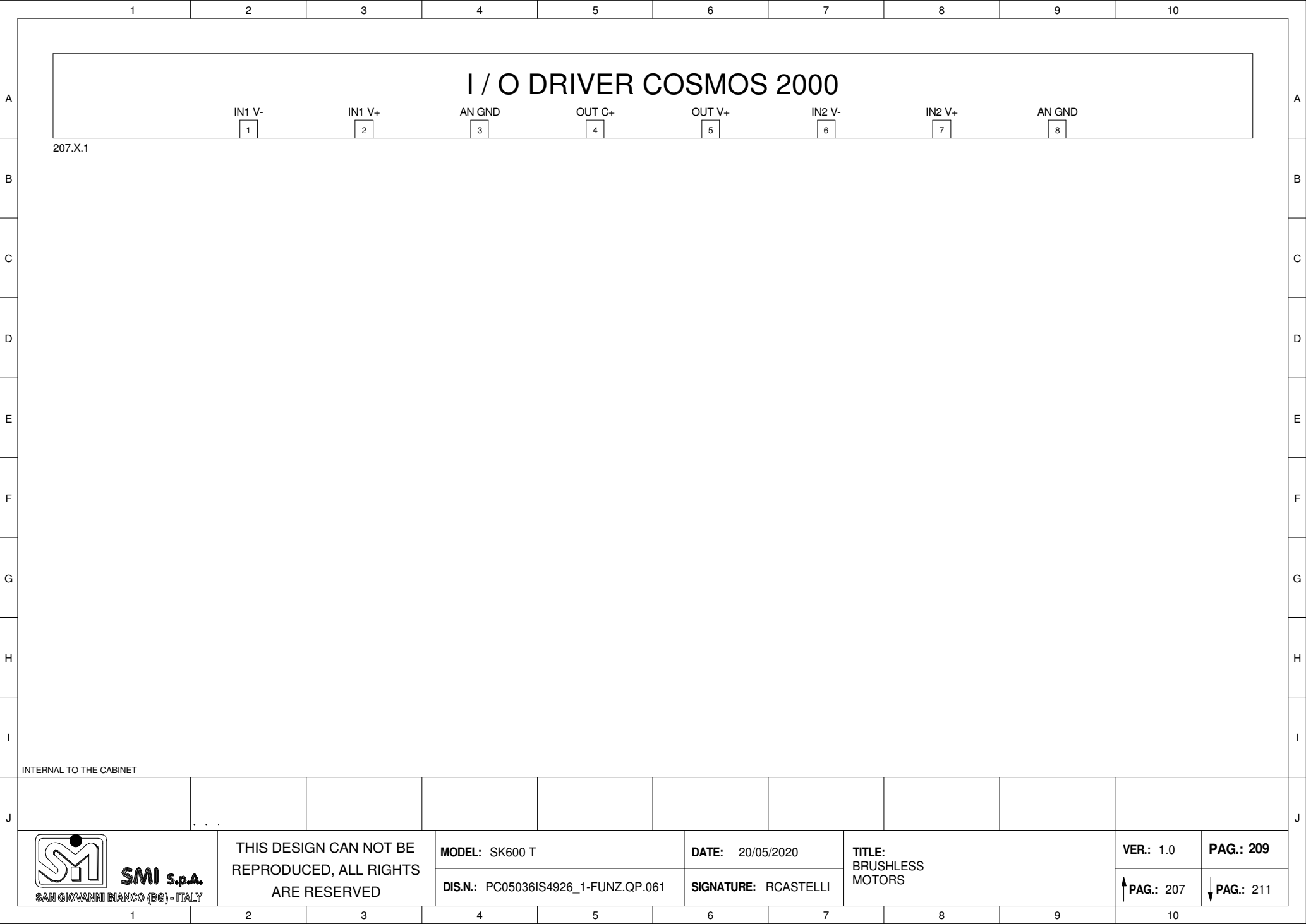
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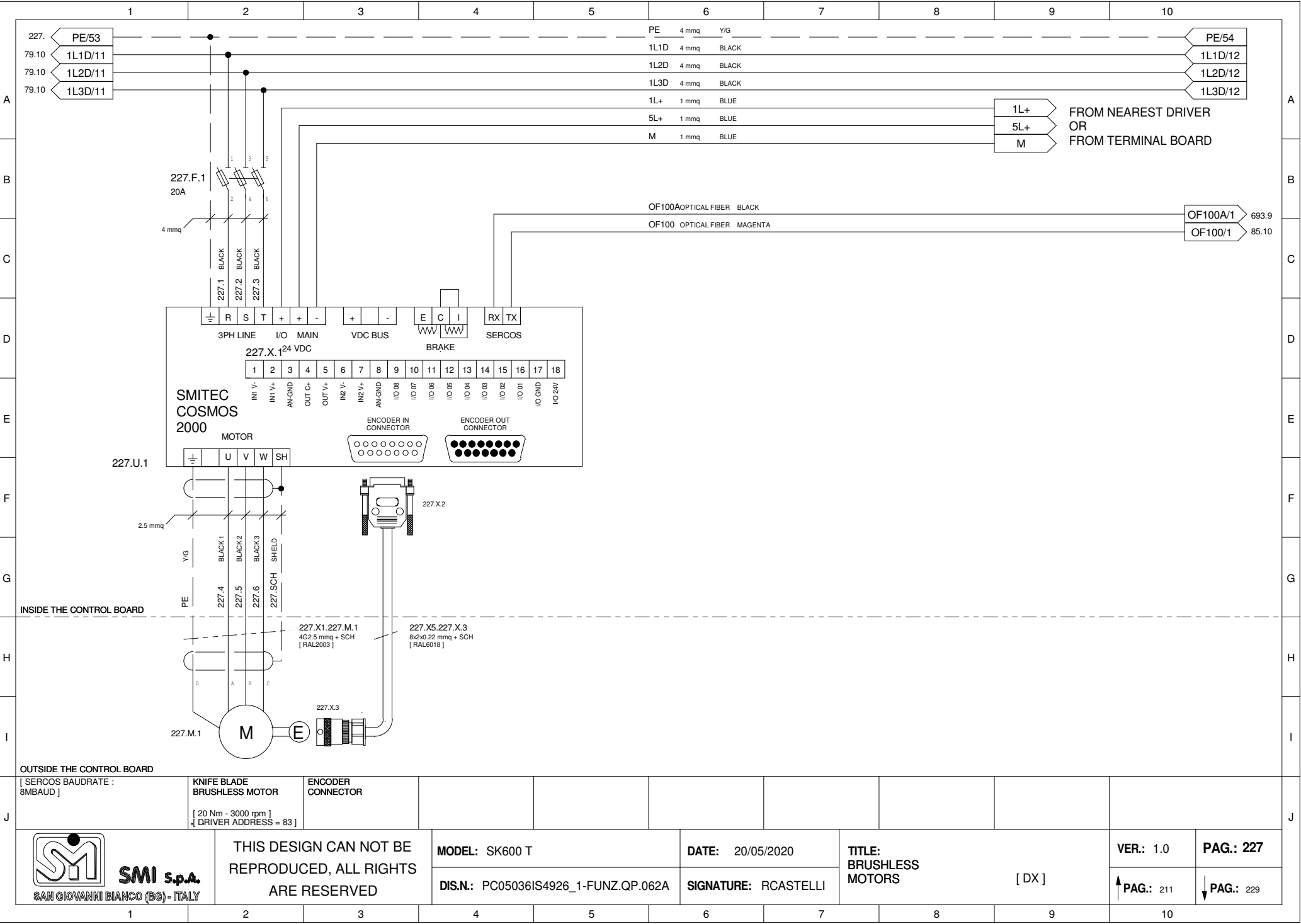
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				DIS.N.: PC05036IS4926_1-FUNZ.QP.058		SIGNATURE: RCASTELLI				↑ PAG.: 199	↓ PAG.: 207
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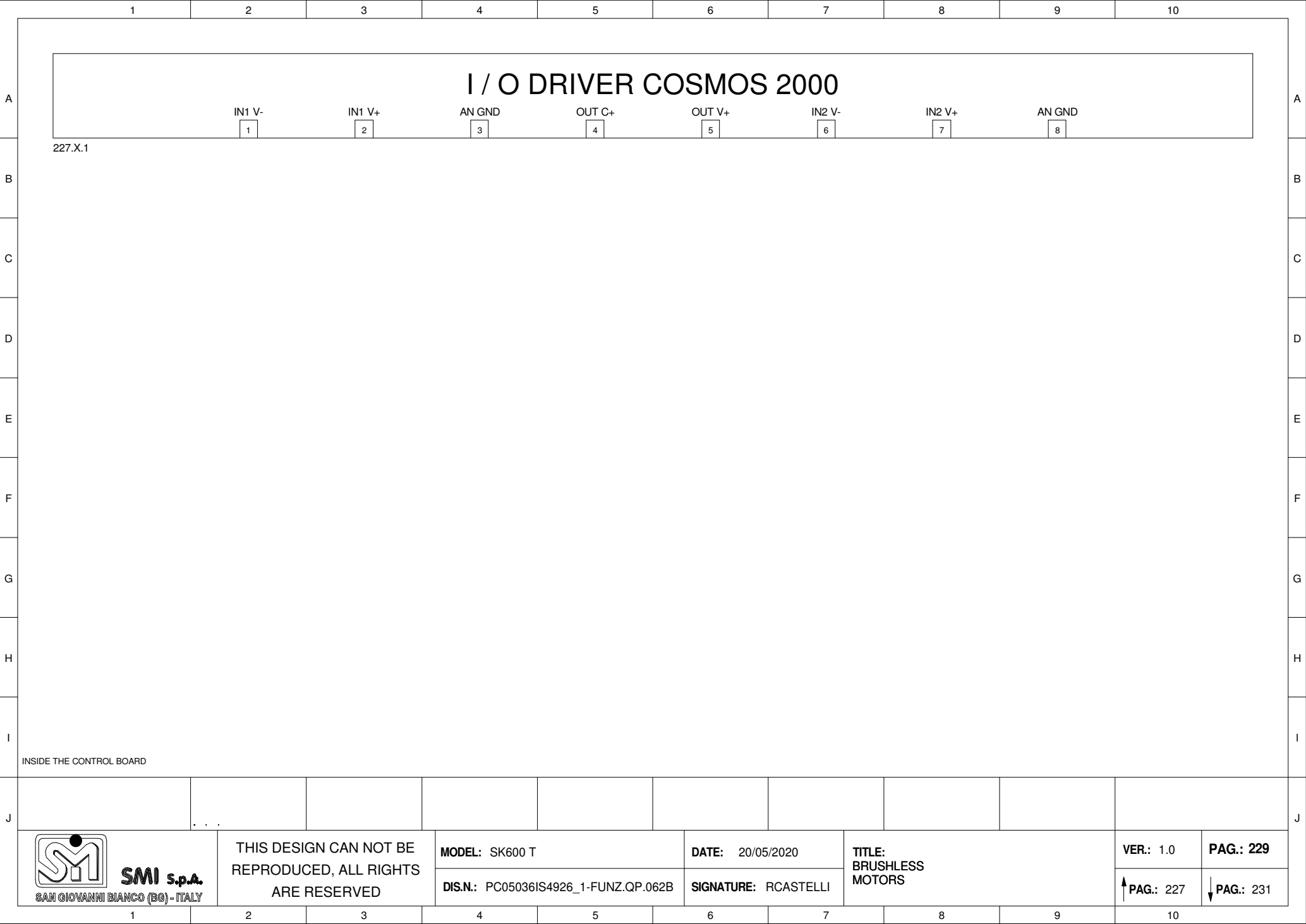





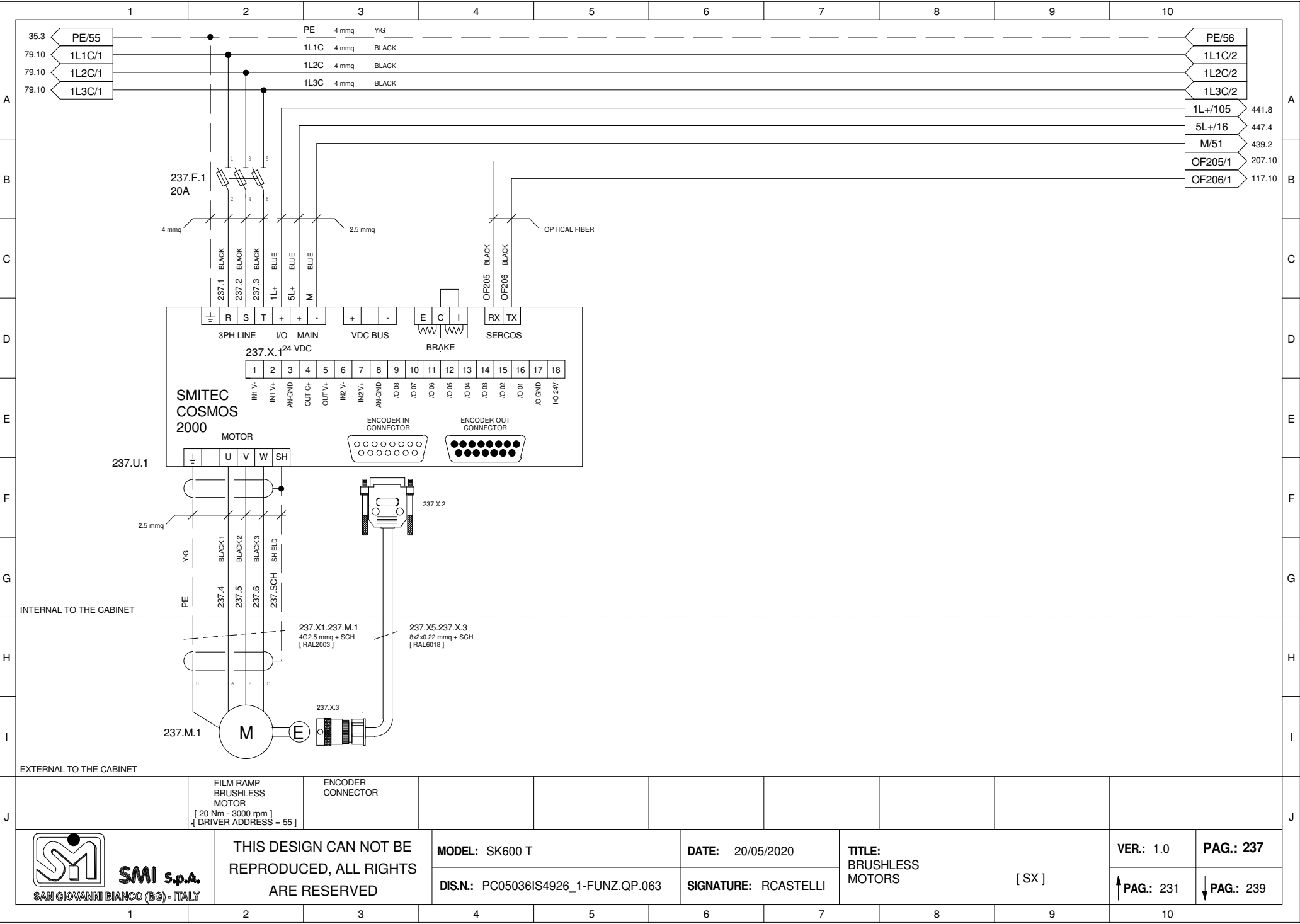
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				DIS.N.: PC05036IS4926_1-FUNZ.QP.062		SIGNATURE: RCASTELLI				↑ PAG.: 209	↓ PAG.: 227
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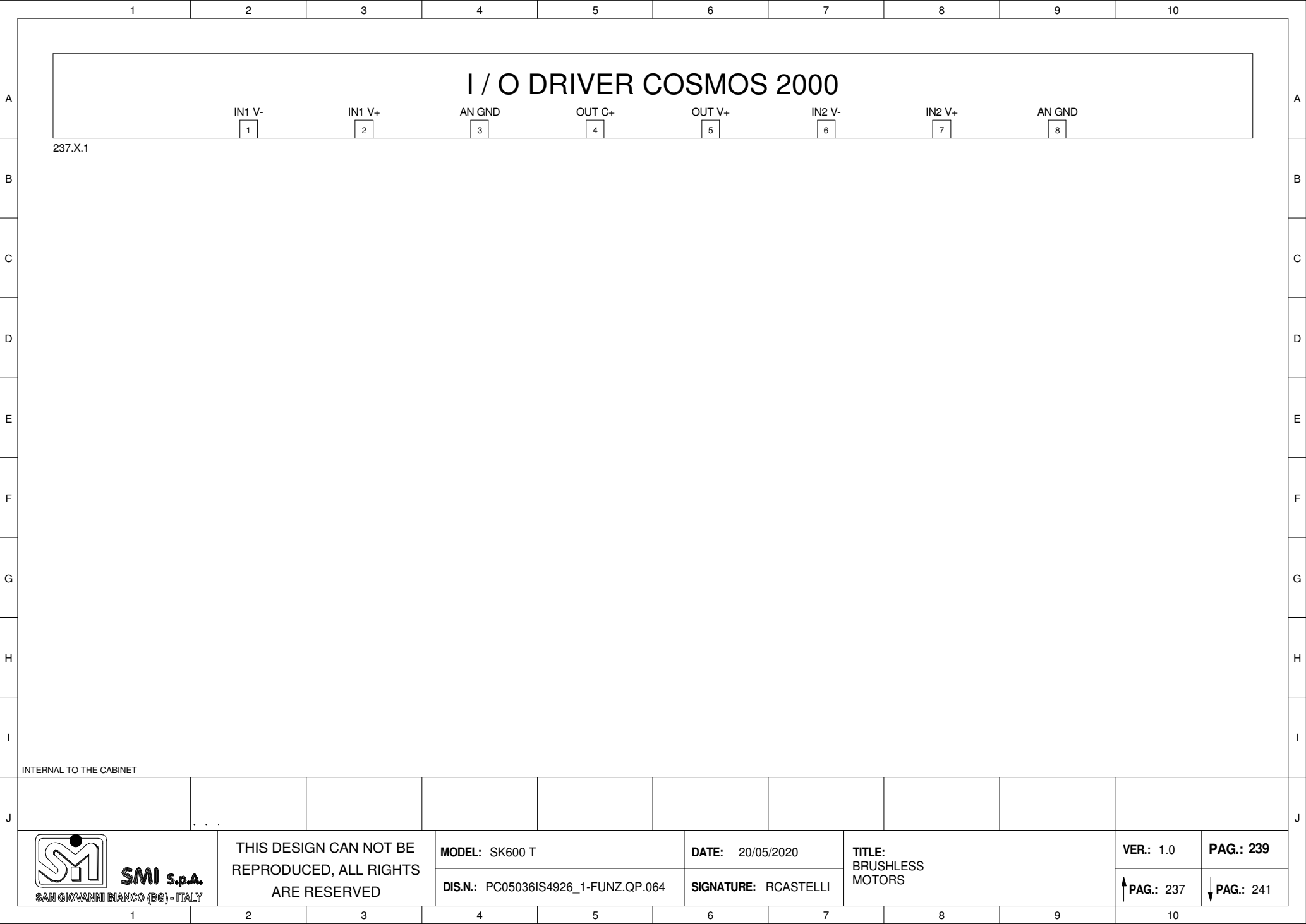


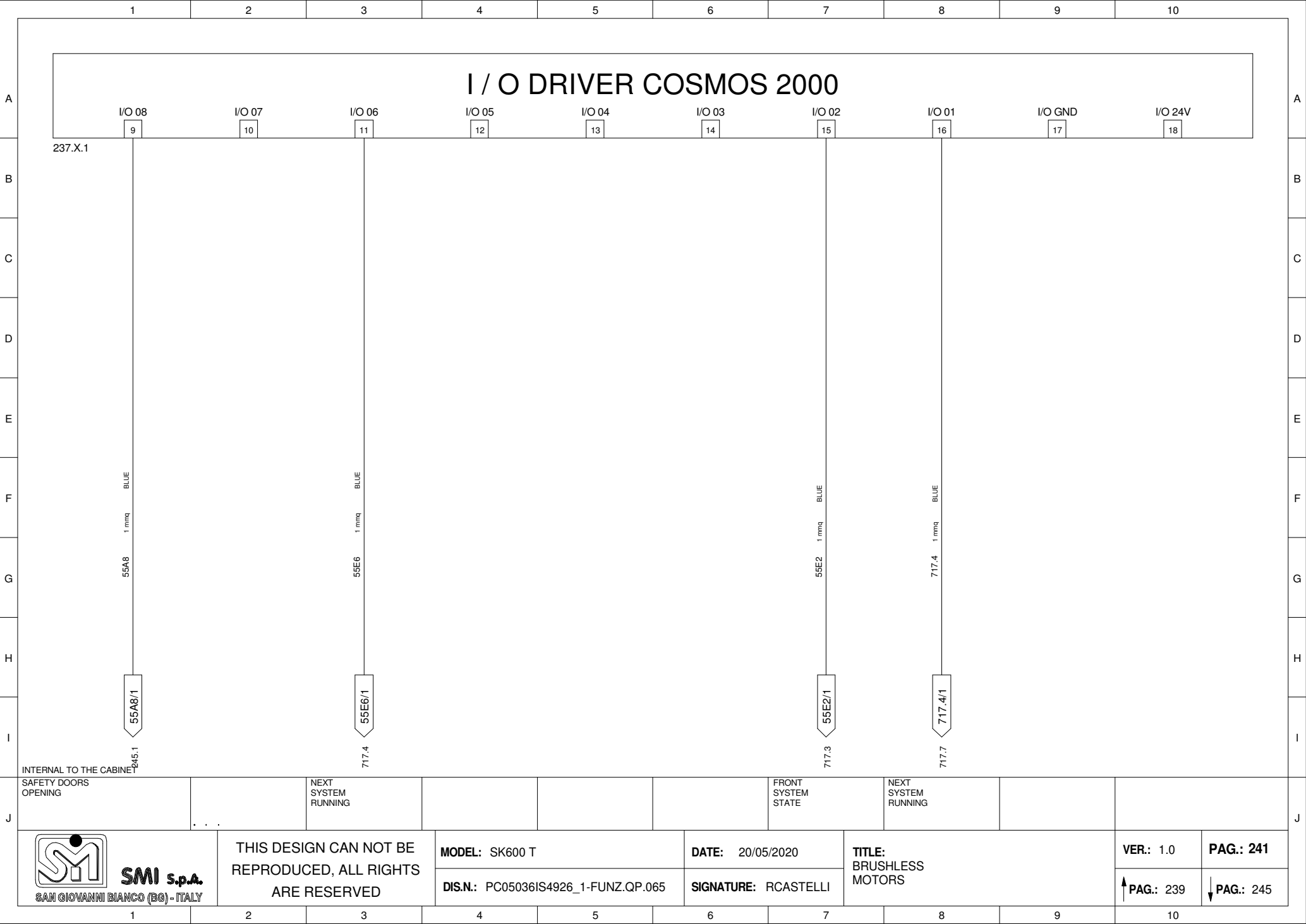


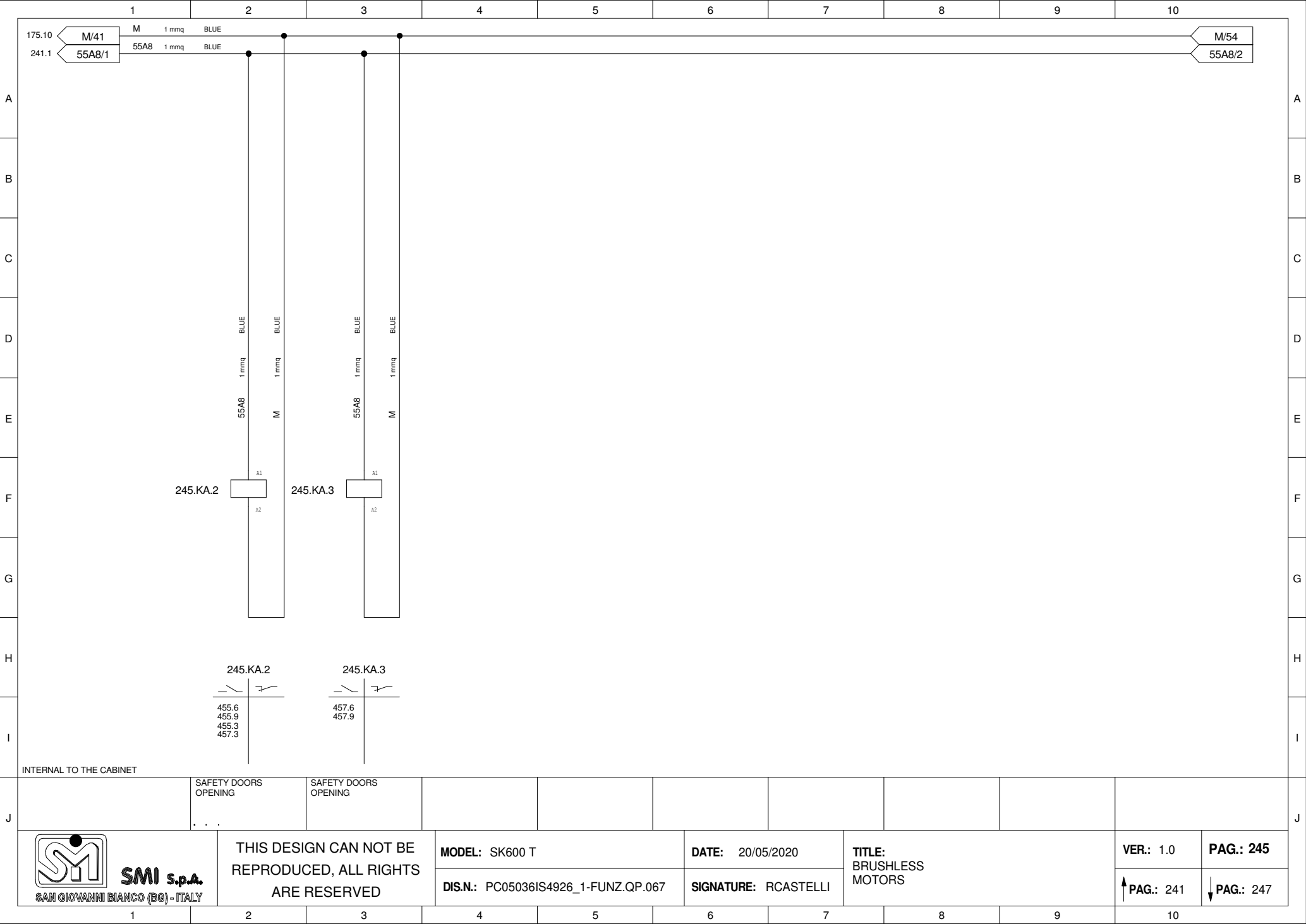


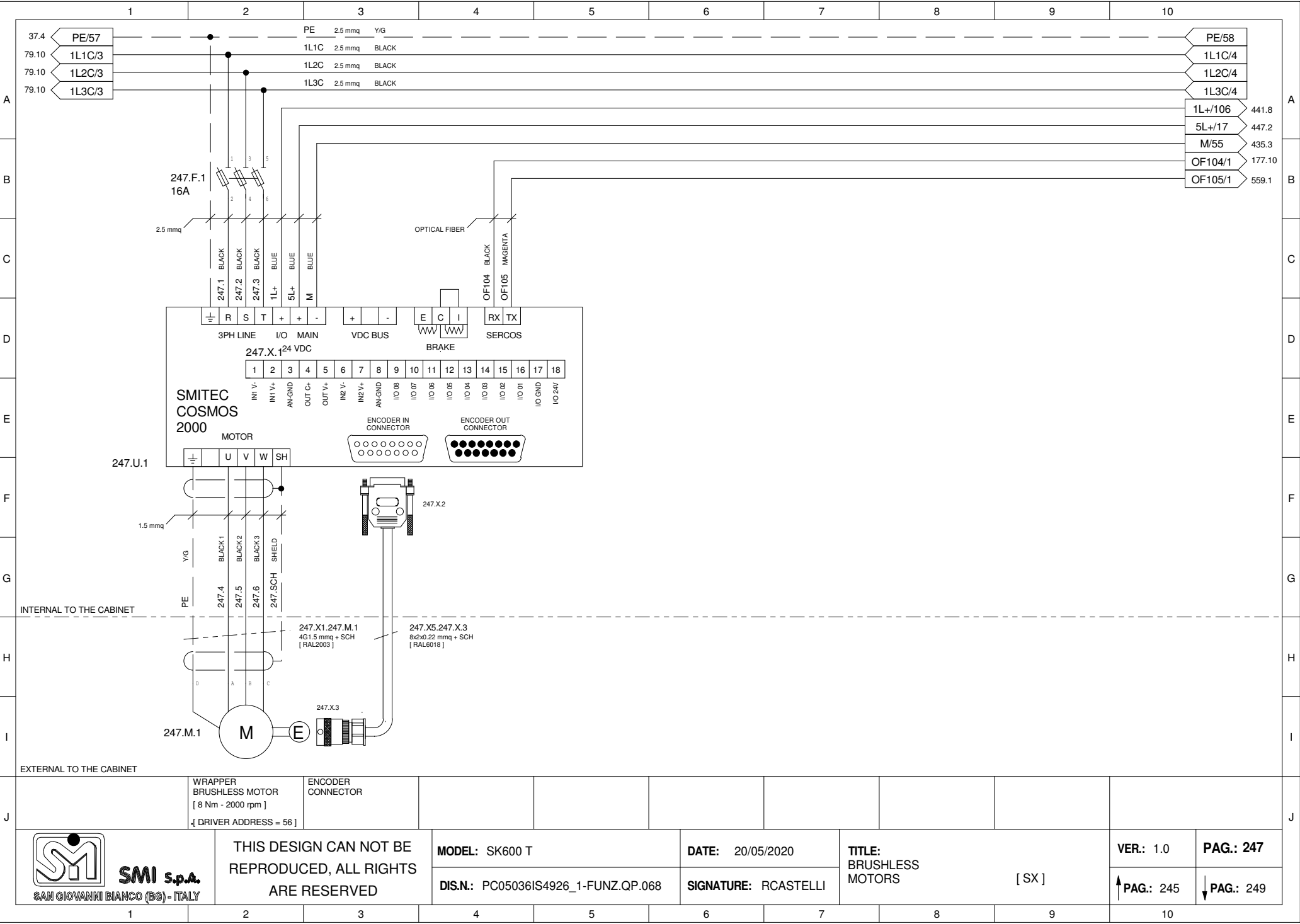
	1	2	3	4	5	6	7	8	9	10	
A	<div>I / O DRIVER COSMOS 2000</div> <div><div>I/O 08</div><div>I/O 07</div><div>I/O 06</div><div>I/O 05</div><div>I/O 04</div><div>I/O 03</div><div>I/O 02</div><div>I/O 01</div><div>I/O GND</div><div>I/O 24V</div></div> <div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div></div> <div>227.X.1</div>										A
B											B
C											C
D											D
E											E
F											F
G											G
H											H
I											I
J	INSIDE THE CONTROL BOARD										J
<div><div><b>SMI s.p.a.</b></div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: BRUSHLESS MOTORS		VER.: 1.0	PAG.: 231
				DIS.N.: PC05036IS4926_1-FUNZ.QP.062C		SIGNATURE: RCASTELLI				↑ PAG.: 229	↓ PAG.: 237
	1	2	3	4	5	6	7	8	9	10	



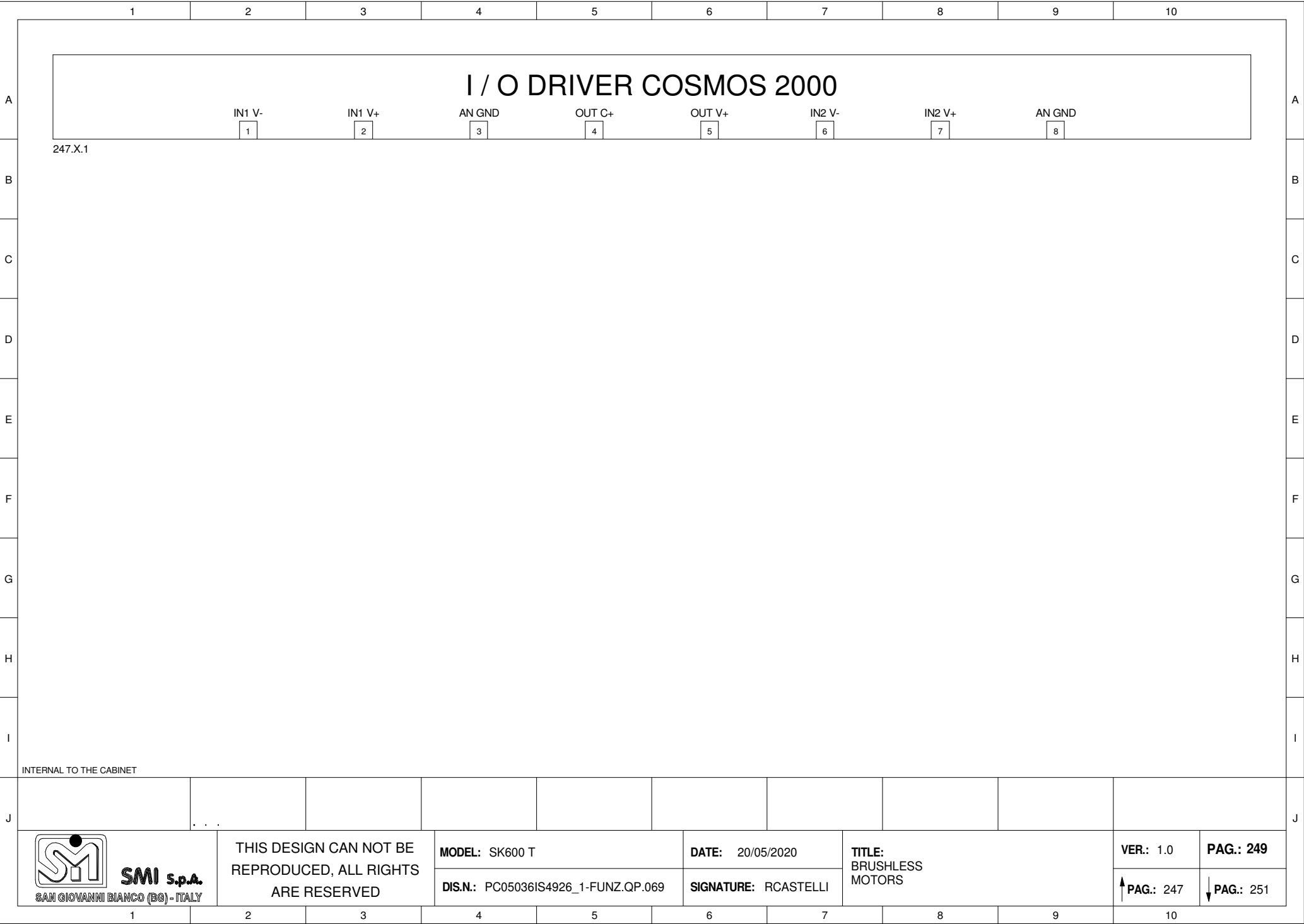


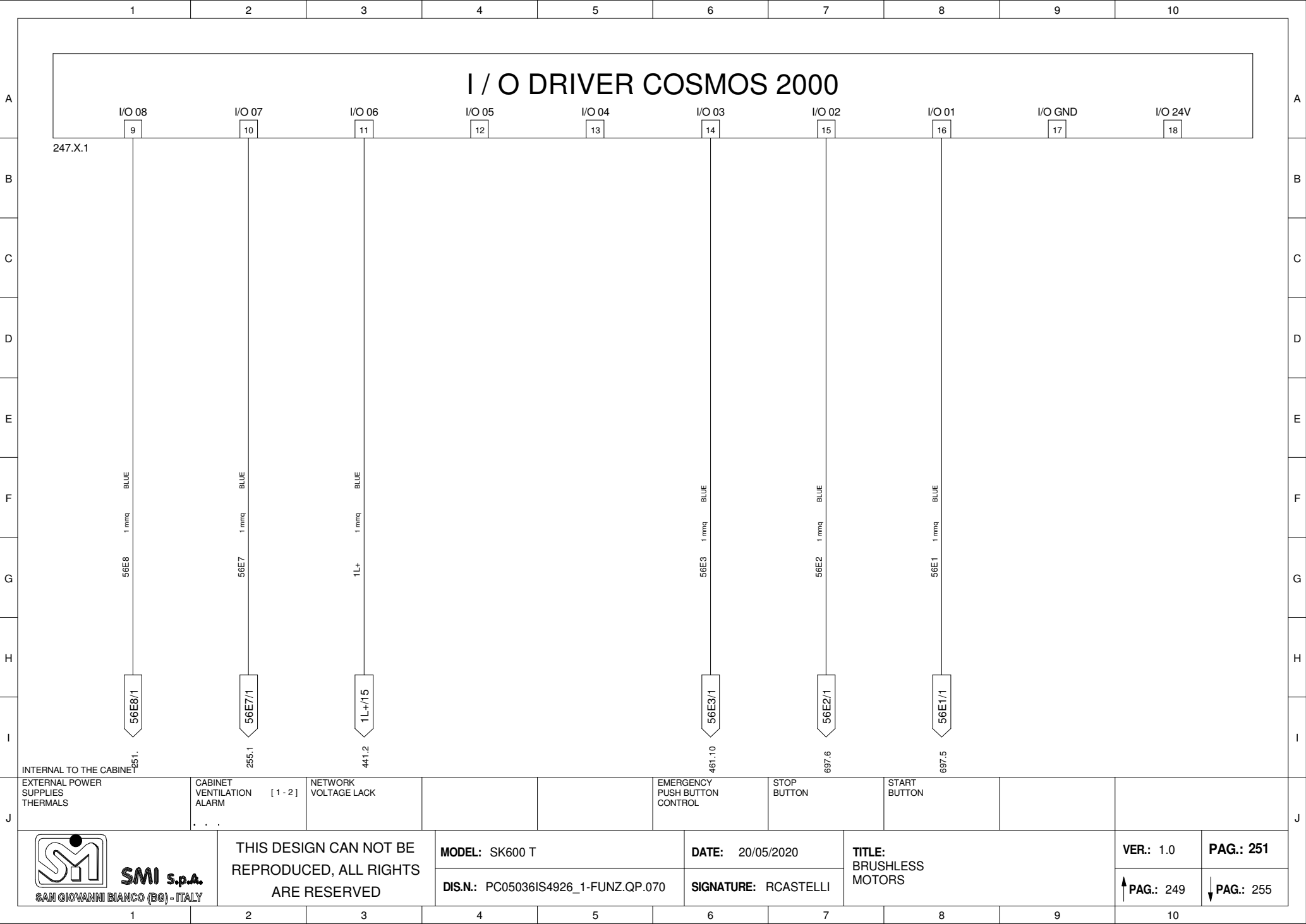


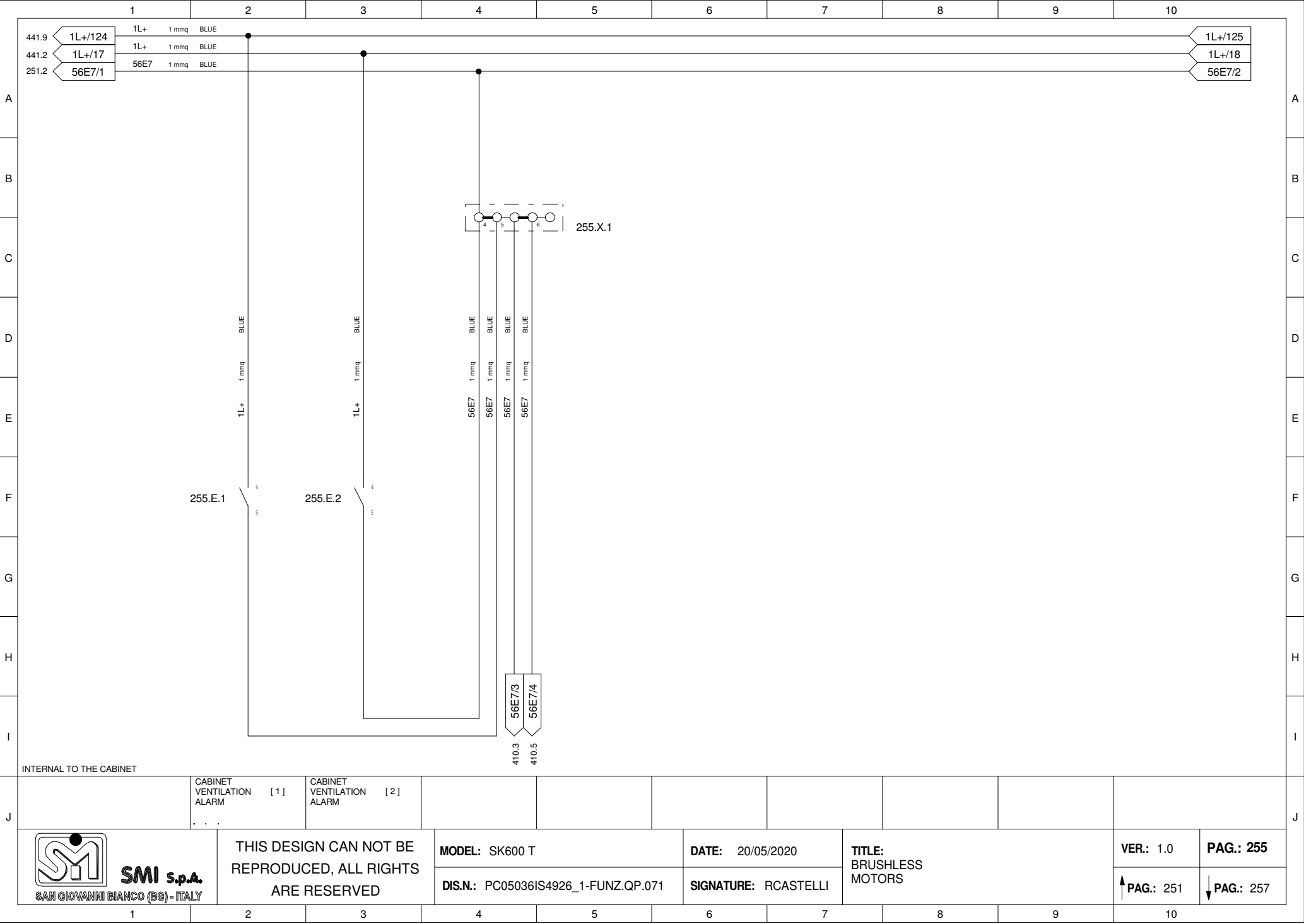


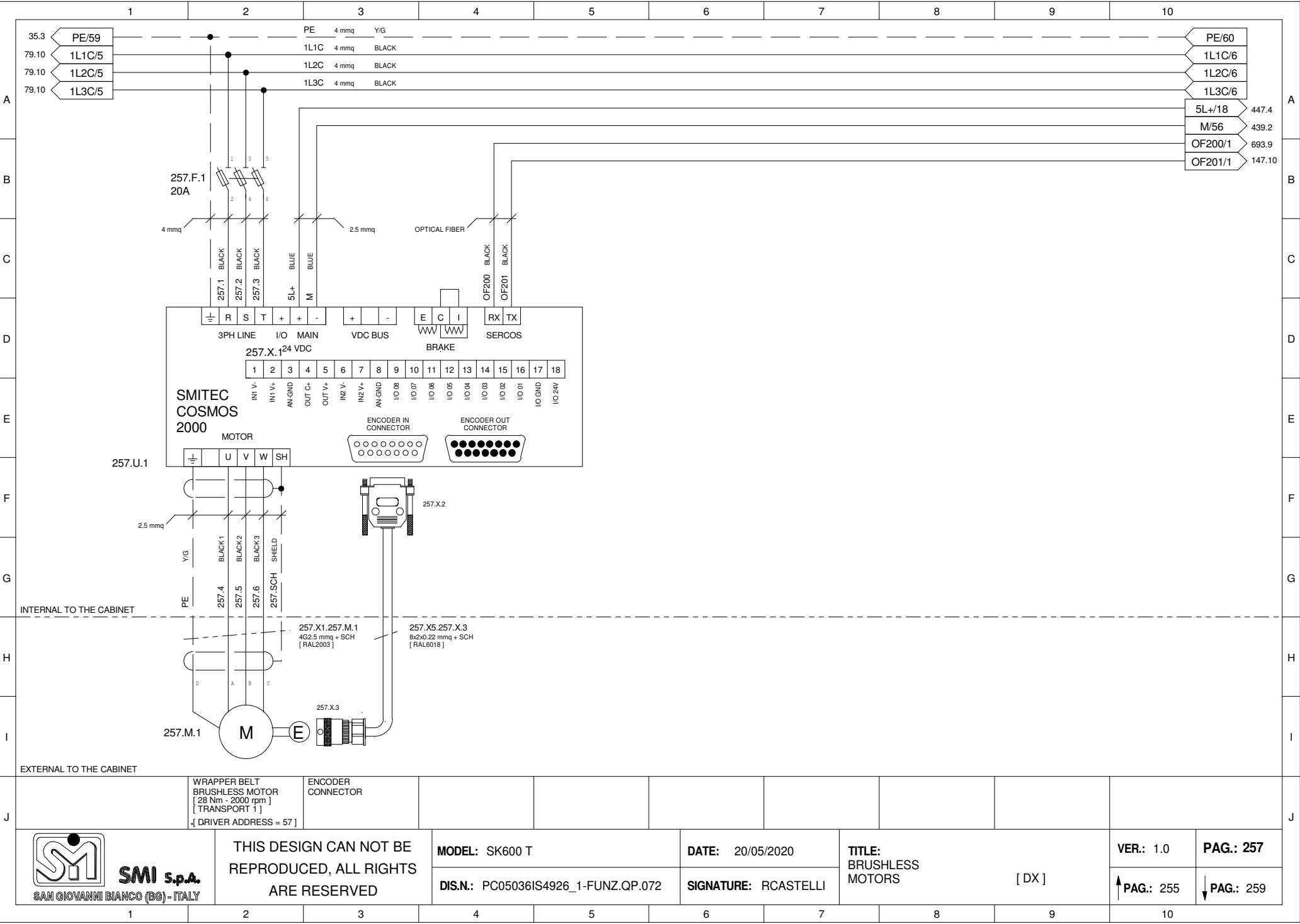


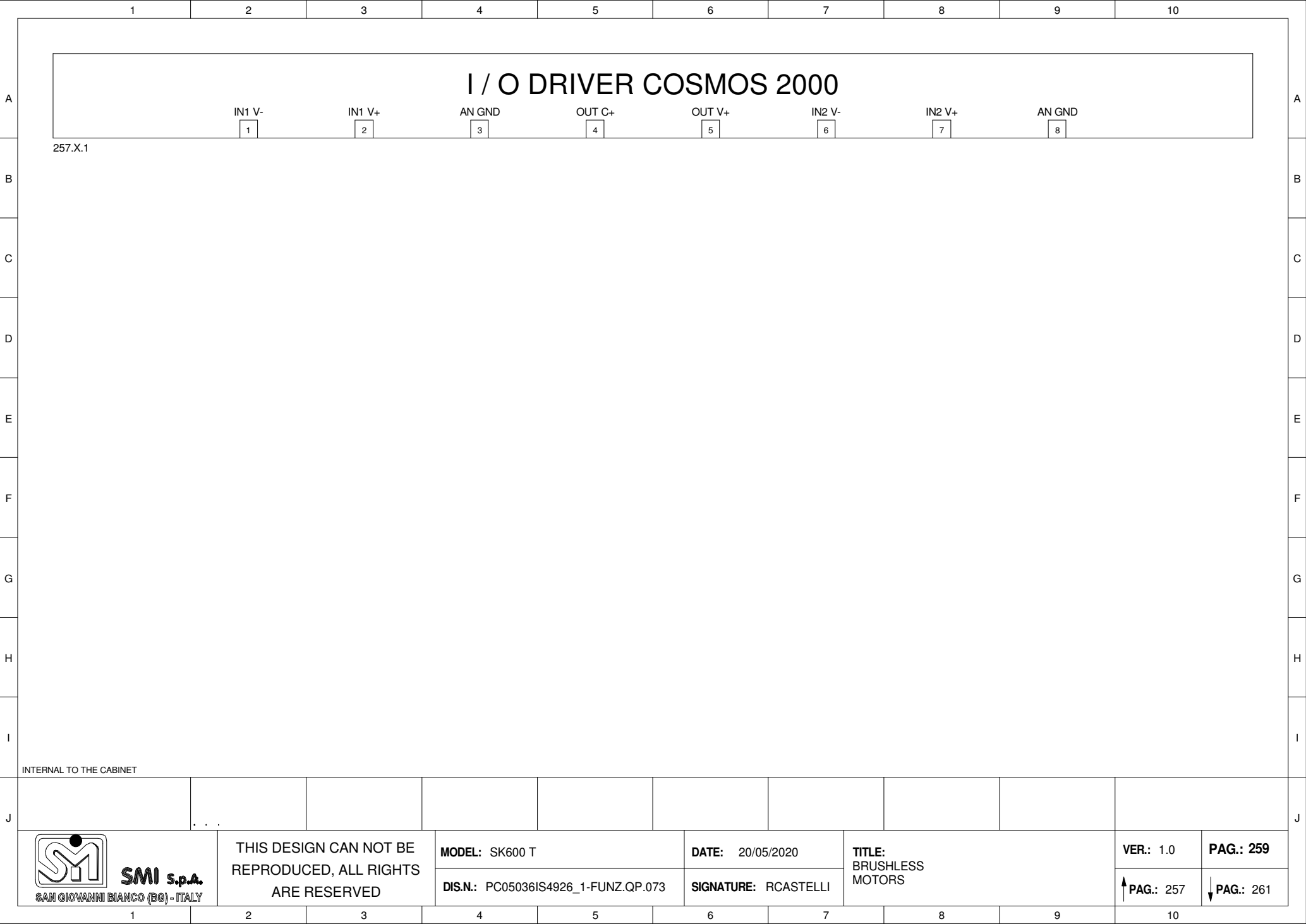




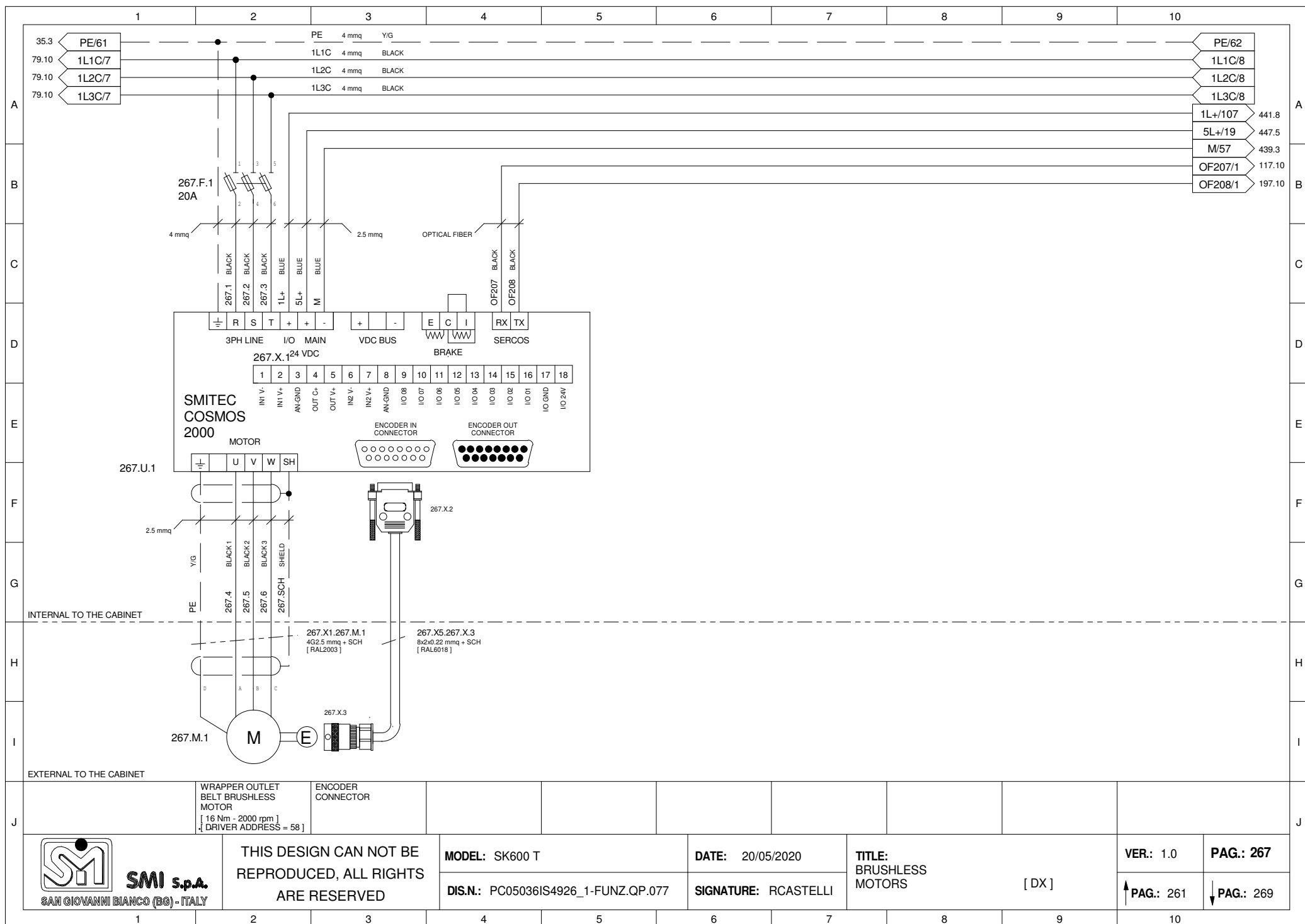


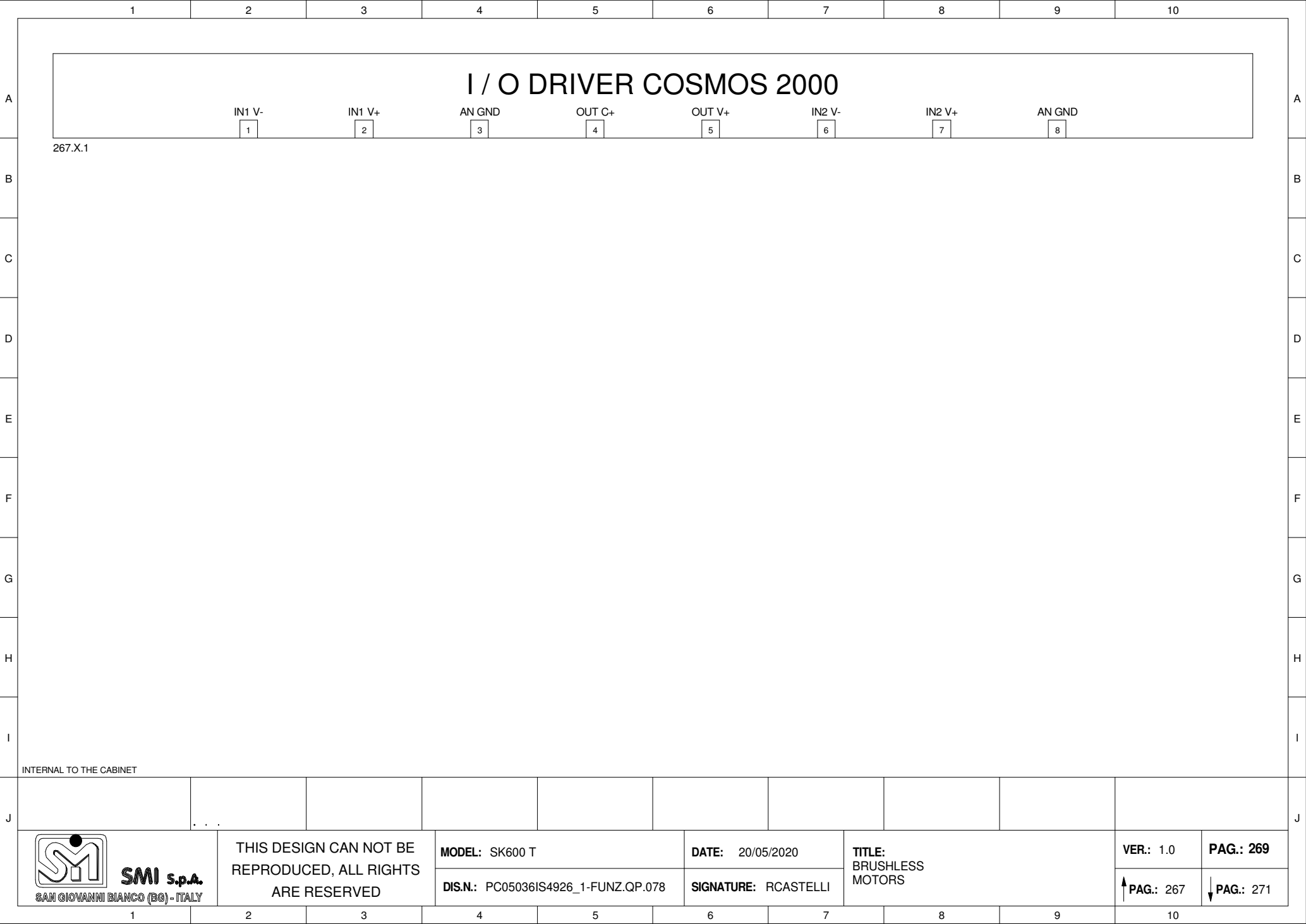




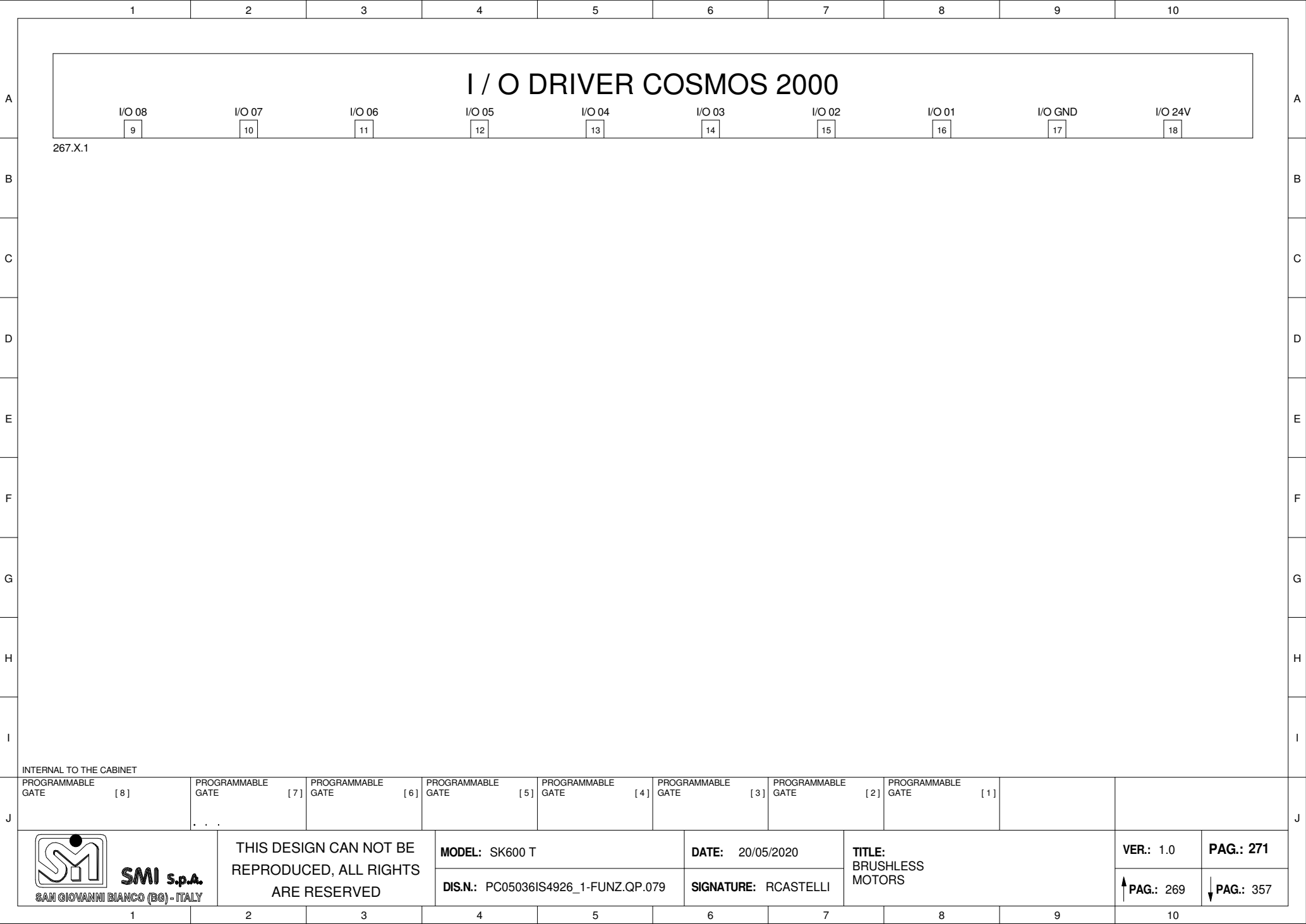


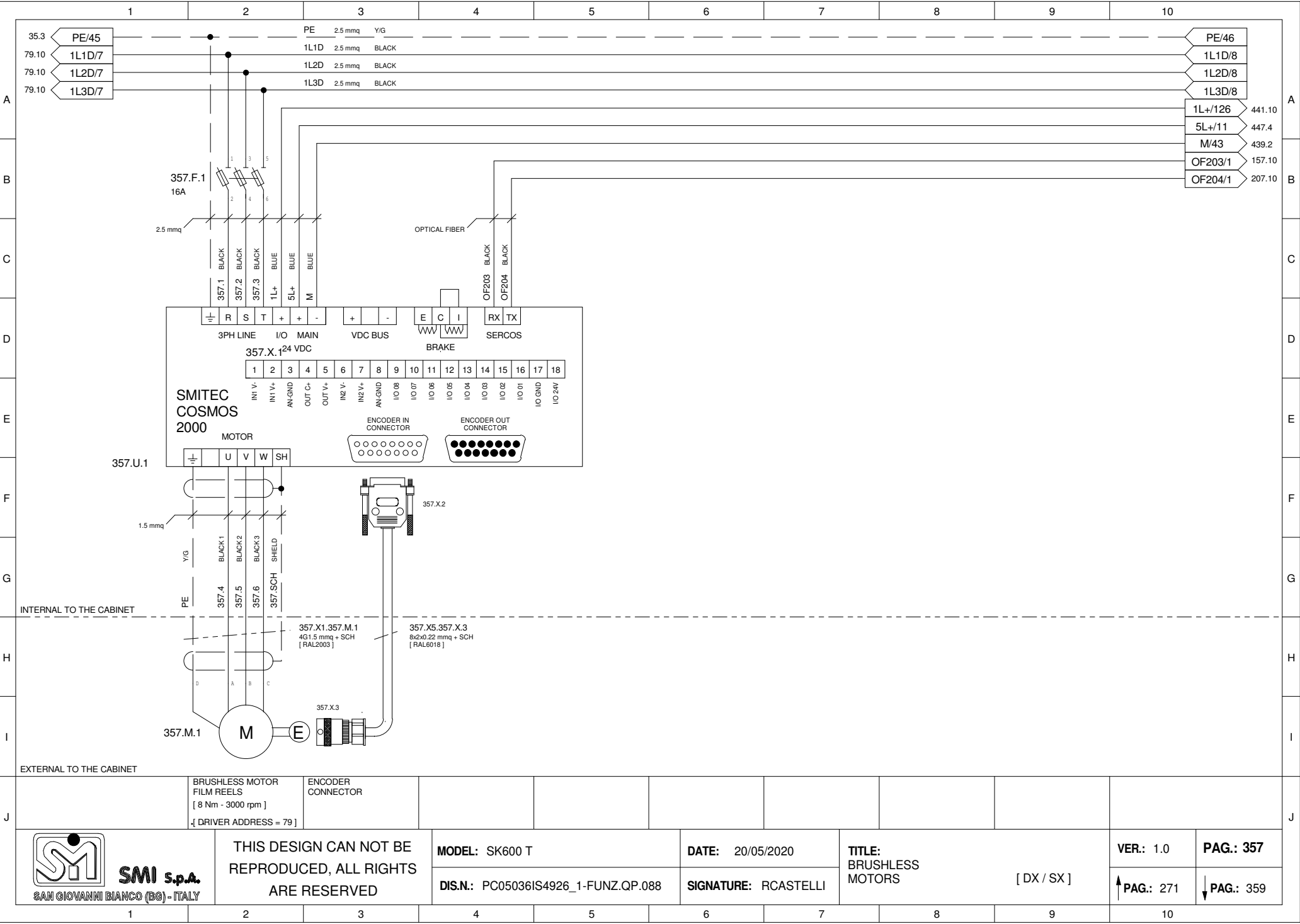
	1	2	3	4	5	6	7	8	9	10	
A	<div>I / O DRIVER COSMOS 2000</div> <div><div>I/O 08</div><div>I/O 07</div><div>I/O 06</div><div>I/O 05</div><div>I/O 04</div><div>I/O 03</div><div>I/O 02</div><div>I/O 01</div><div>I/O GND</div><div>I/O 24V</div></div> <div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div></div> <div>257.X.1</div>										A
B											B
C											C
D											D
E											E
F											F
G											G
H											H
I											I
J	INTERNAL TO THE CABINET										J
<div><div><div><div></div></div><div></div></div><div><div>SMI</div><div>S.p.A.</div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: BRUSHLESS MOTORS		VER.: 1.0	PAG.: 261
				DIS.N.: PC05036IS4926_1-FUNZ.QP.074		SIGNATURE: RCASTELLI				↑ PAG.: 259	↓ PAG.: 267
	1	2	3	4	5	6	7	8	9	10	

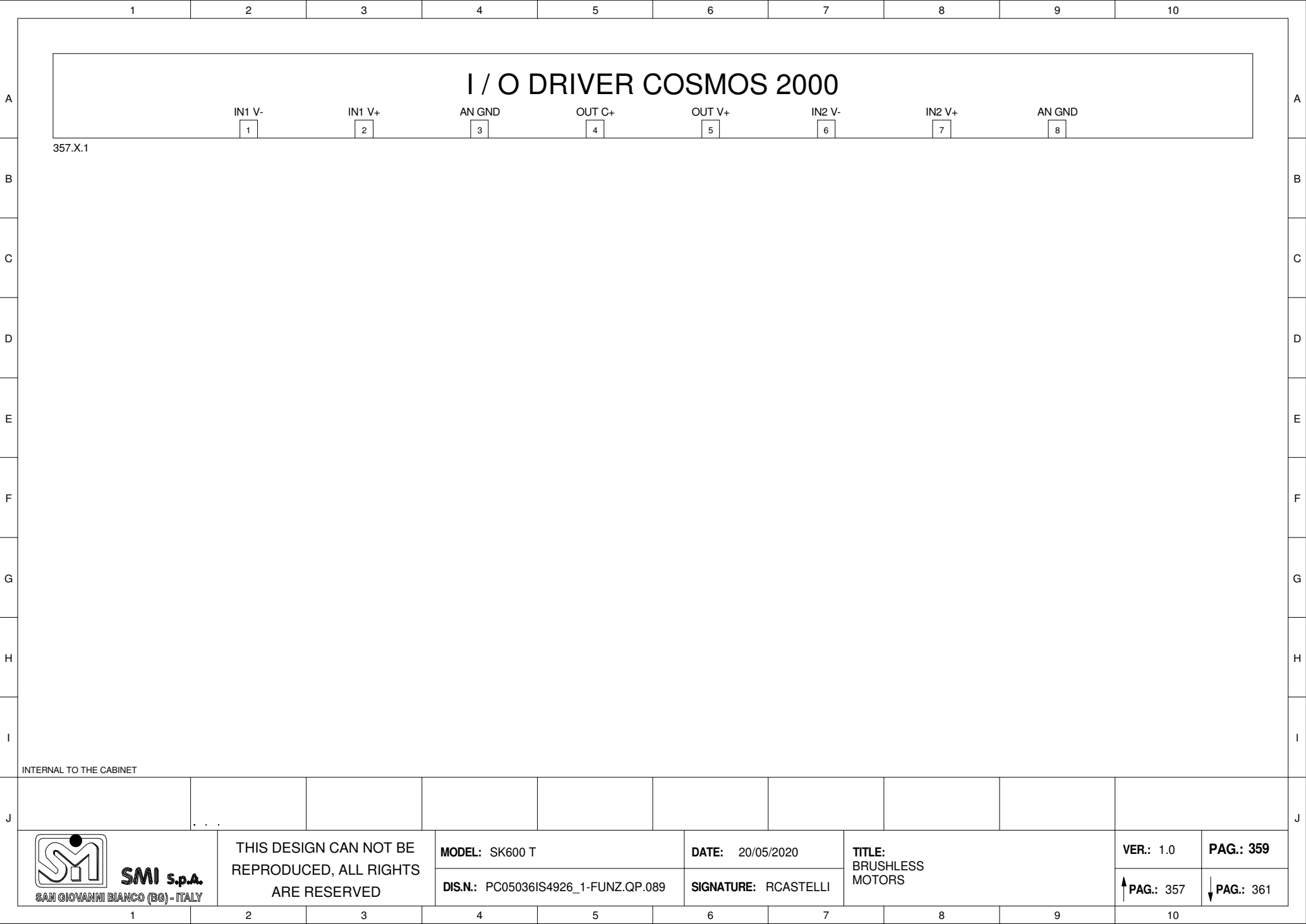


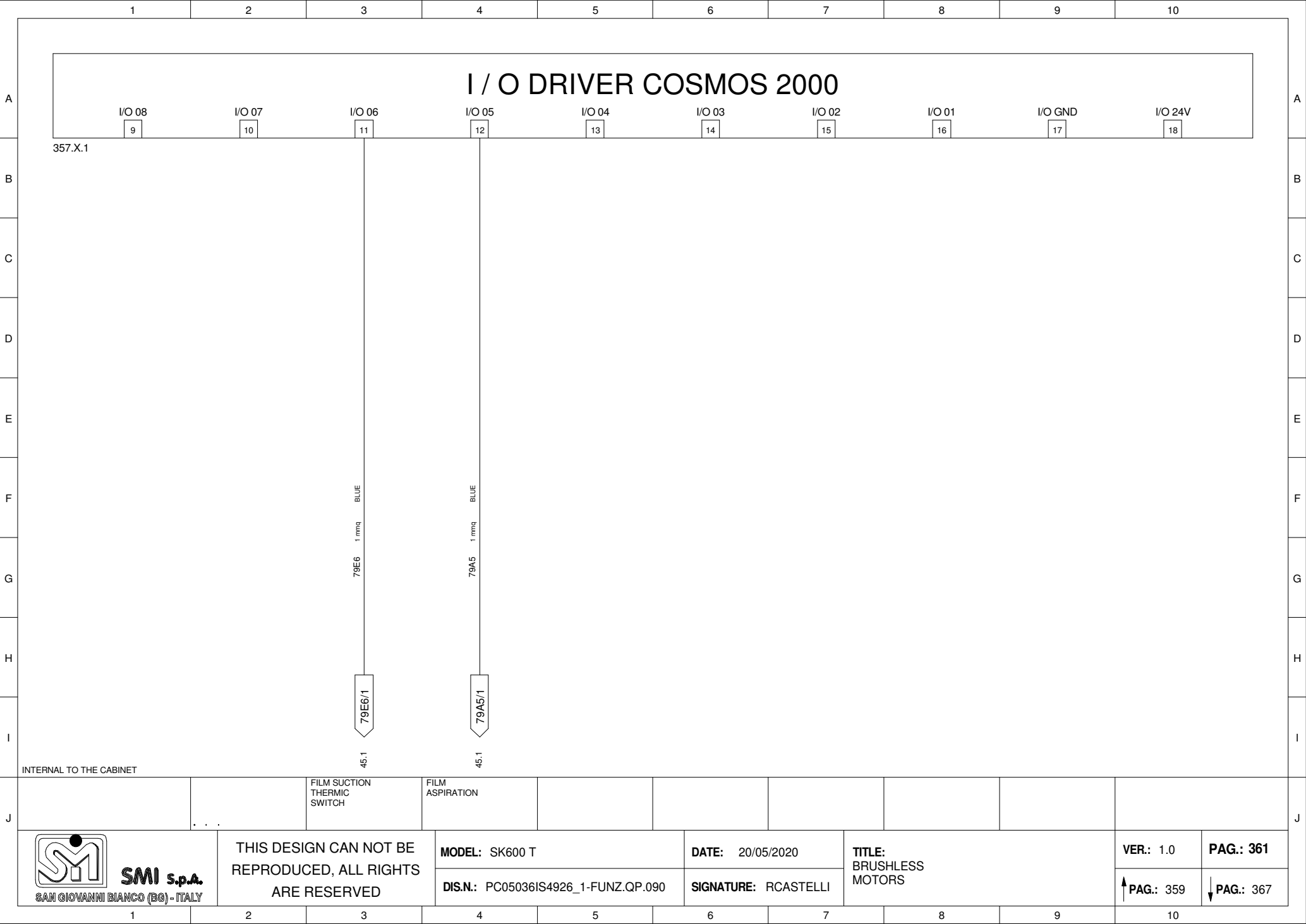












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MODEL: SK600 T

DIS.N.: PC05036IS4926\_1-FUNZ.QP.090

DATE: 20/05/2020

SIGNATURE: RCASTELLI

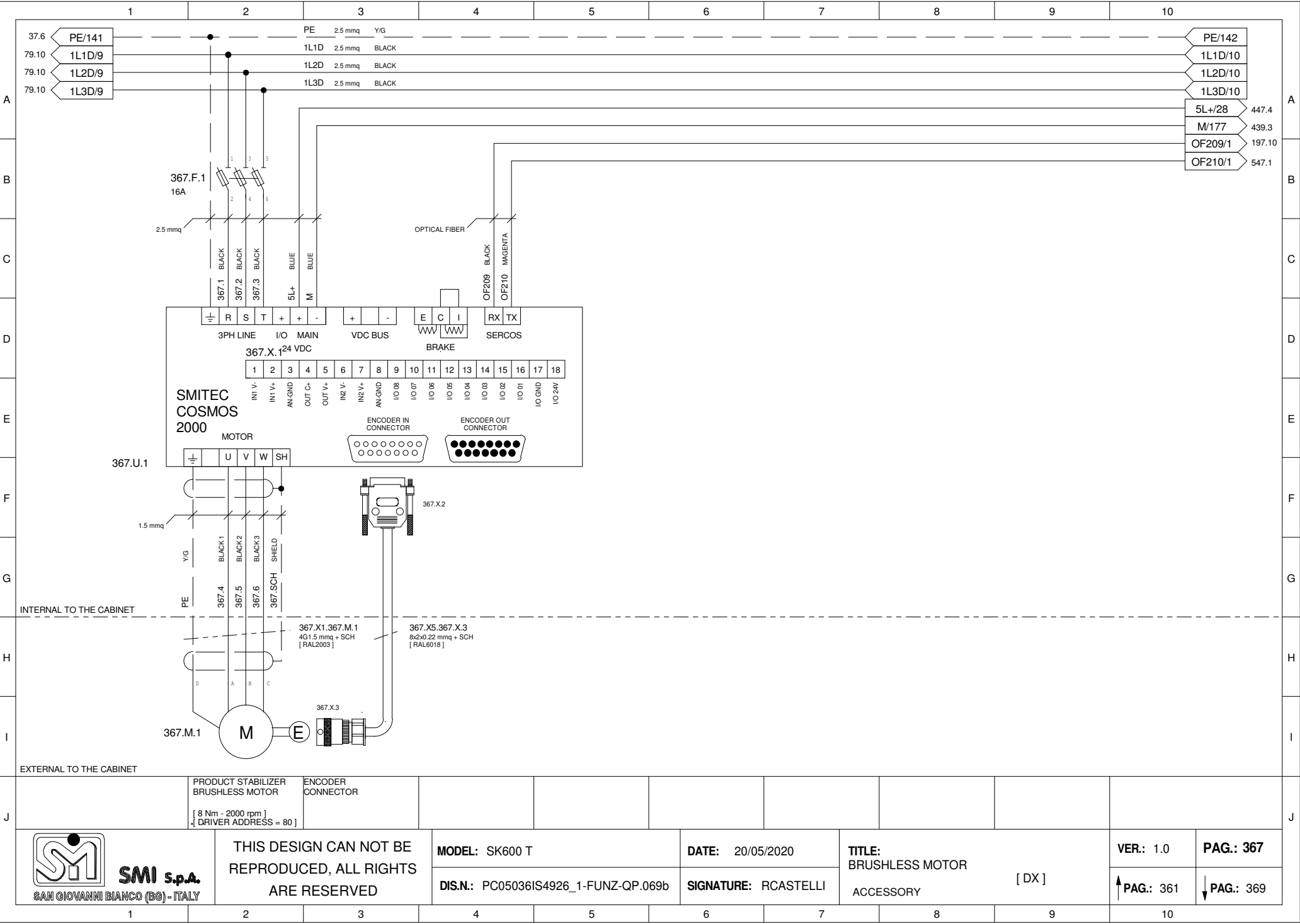
TITLE:  
BRUSHLESS  
MOTORS

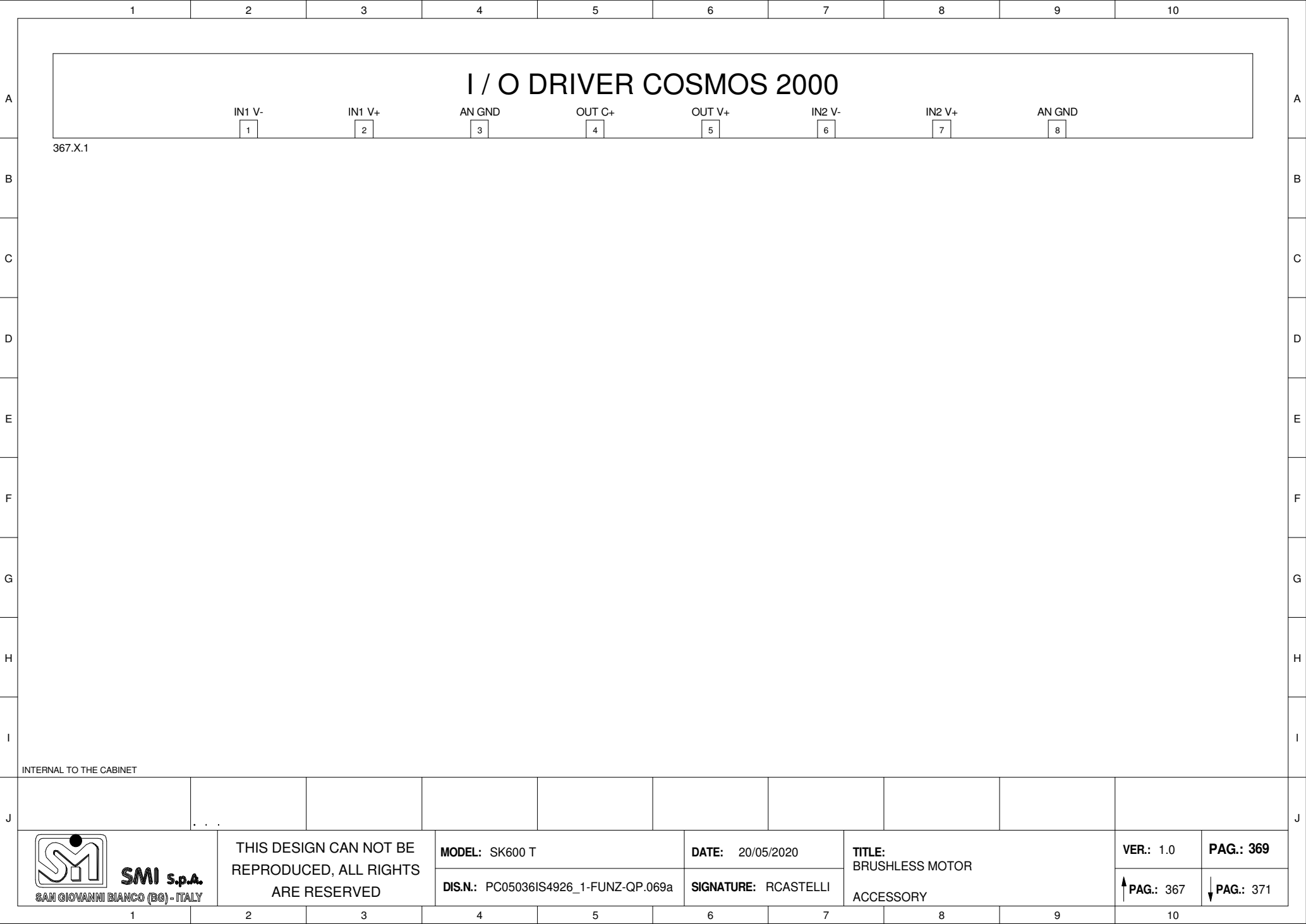
VER.: 1.0

PAG.: 361

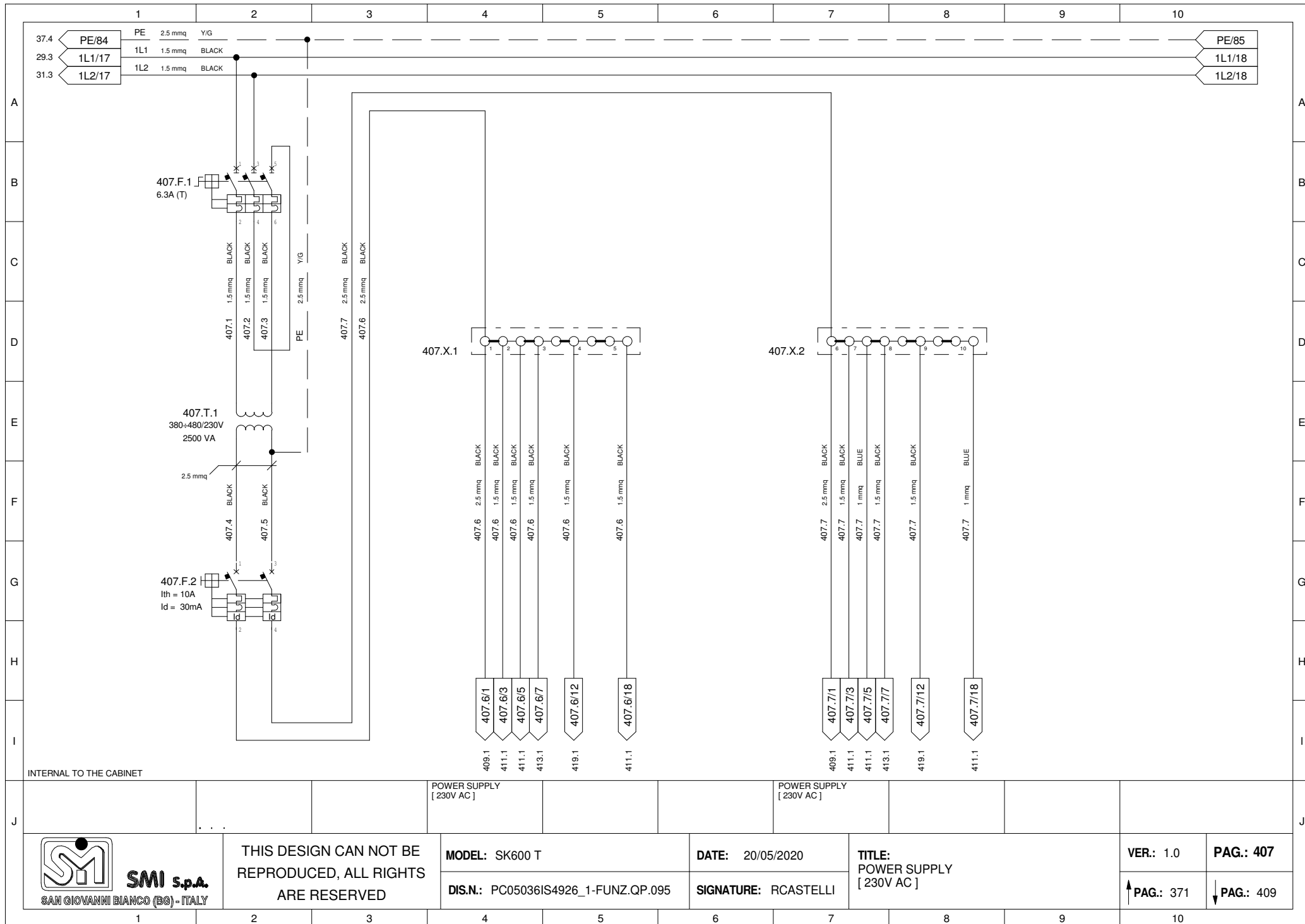
↑ PAG.: 359

↓ PAG.: 367

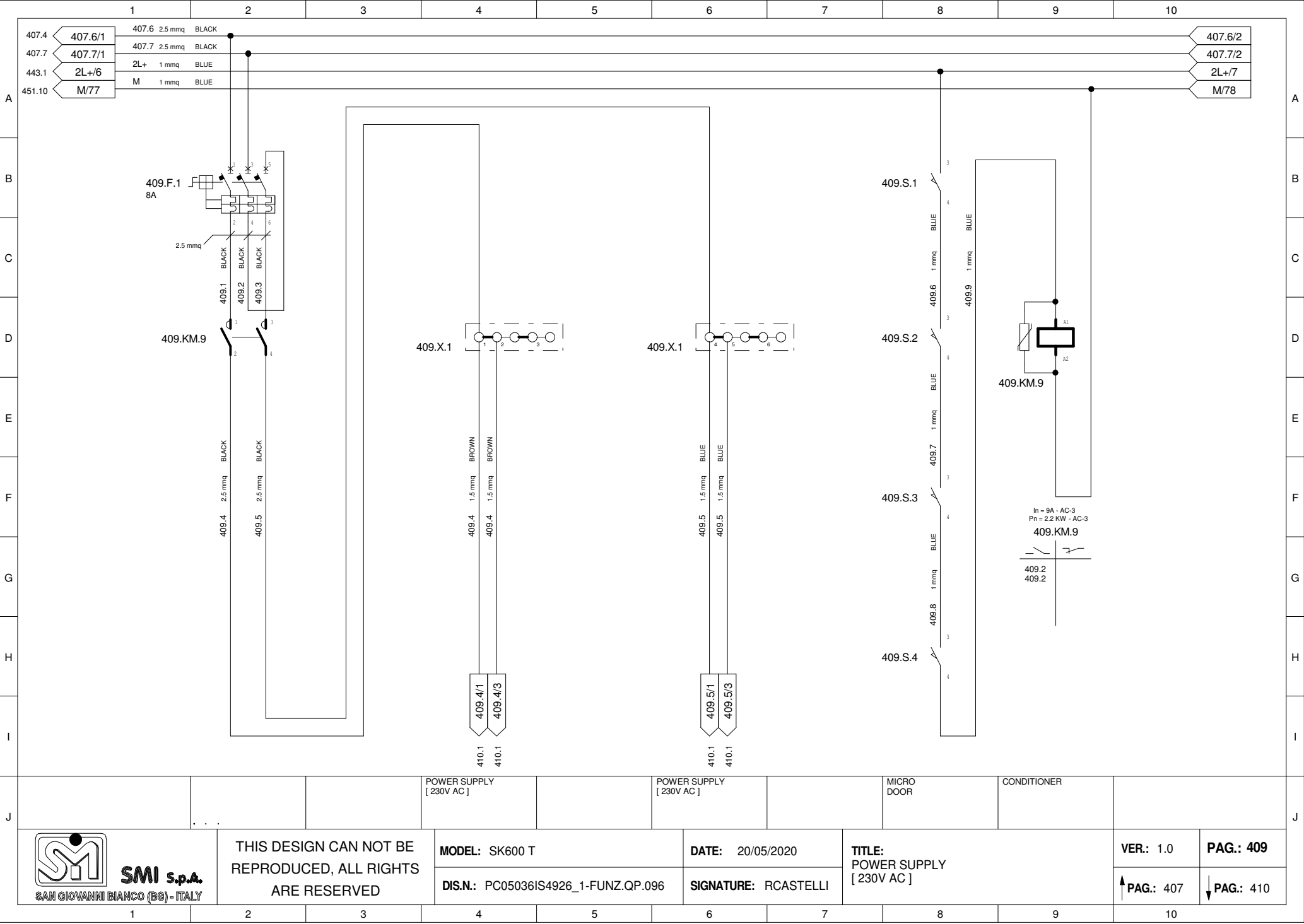


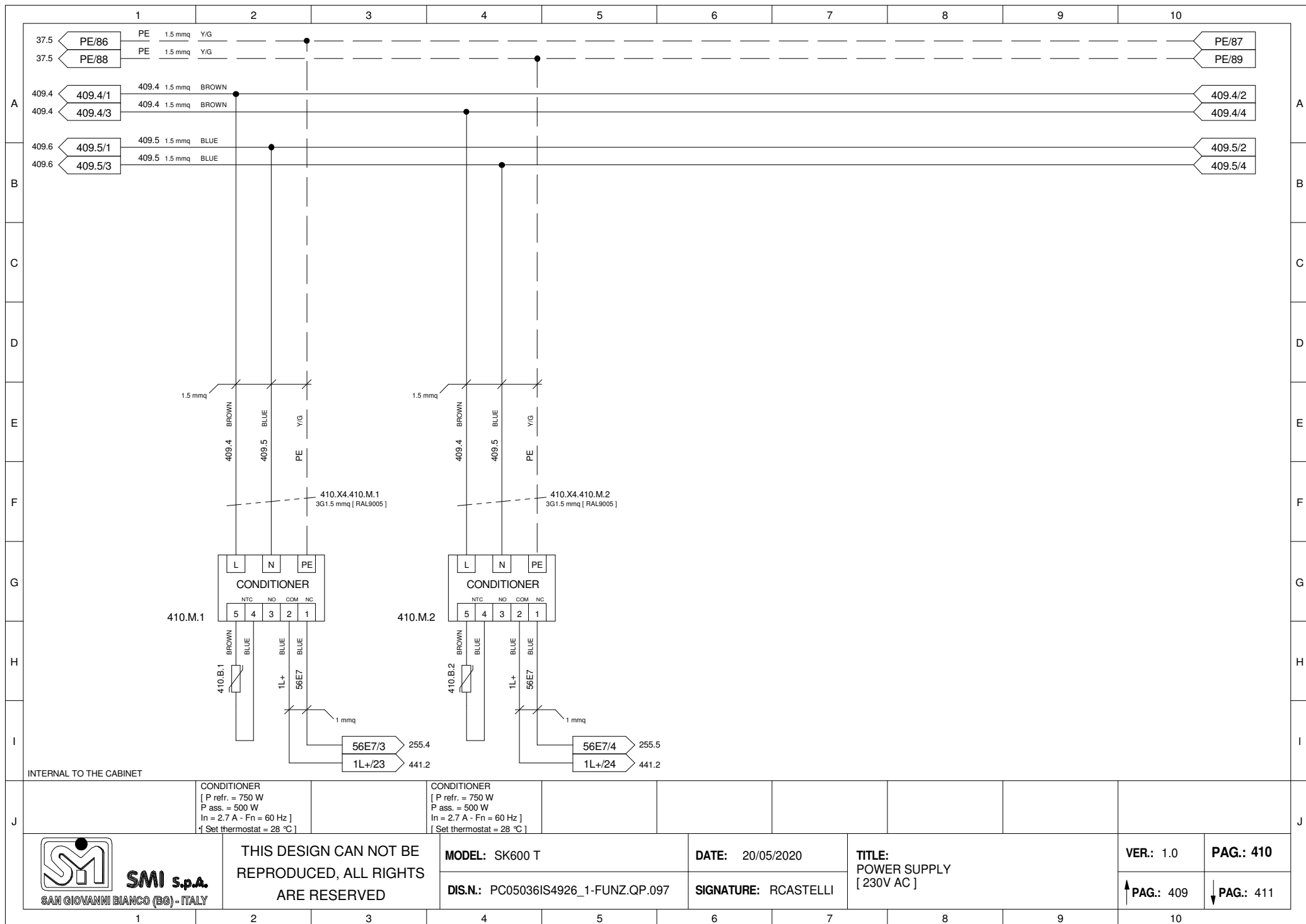


	1	2	3	4	5	6	7	8	9	10	
A	<div>I / O DRIVER COSMOS 2000</div> <div><div>I/O 08</div><div>I/O 07</div><div>I/O 06</div><div>I/O 05</div><div>I/O 04</div><div>I/O 03</div><div>I/O 02</div><div>I/O 01</div><div>I/O GND</div><div>I/O 24V</div></div> <div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div></div> <div>367.X.1</div>										A
B											B
C											C
D											D
E											E
F											F
G											G
H											H
I											I
J	INTERNAL TO THE CABINET										J
<div><div><div>S</div><div>M</div></div><div>SMI s.p.a.</div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: BRUSHLESS MOTOR  ACCESSORY		VER.: 1.0	PAG.: 371
				DIS.N.: PC05036IS4926_1-FUNZ-QP.069		SIGNATURE: RCASTELLI				↑ PAG.: 369	↓ PAG.: 407
	1	2	3	4	5	6	7	8	9	10	









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**MODEL:** SK600 T

**DIS.N.:** PC05036IS4926\_1-FUNZ.QP.097

**DATE:** 20/05/2020

**SIGNATURE:** RCASTELLI

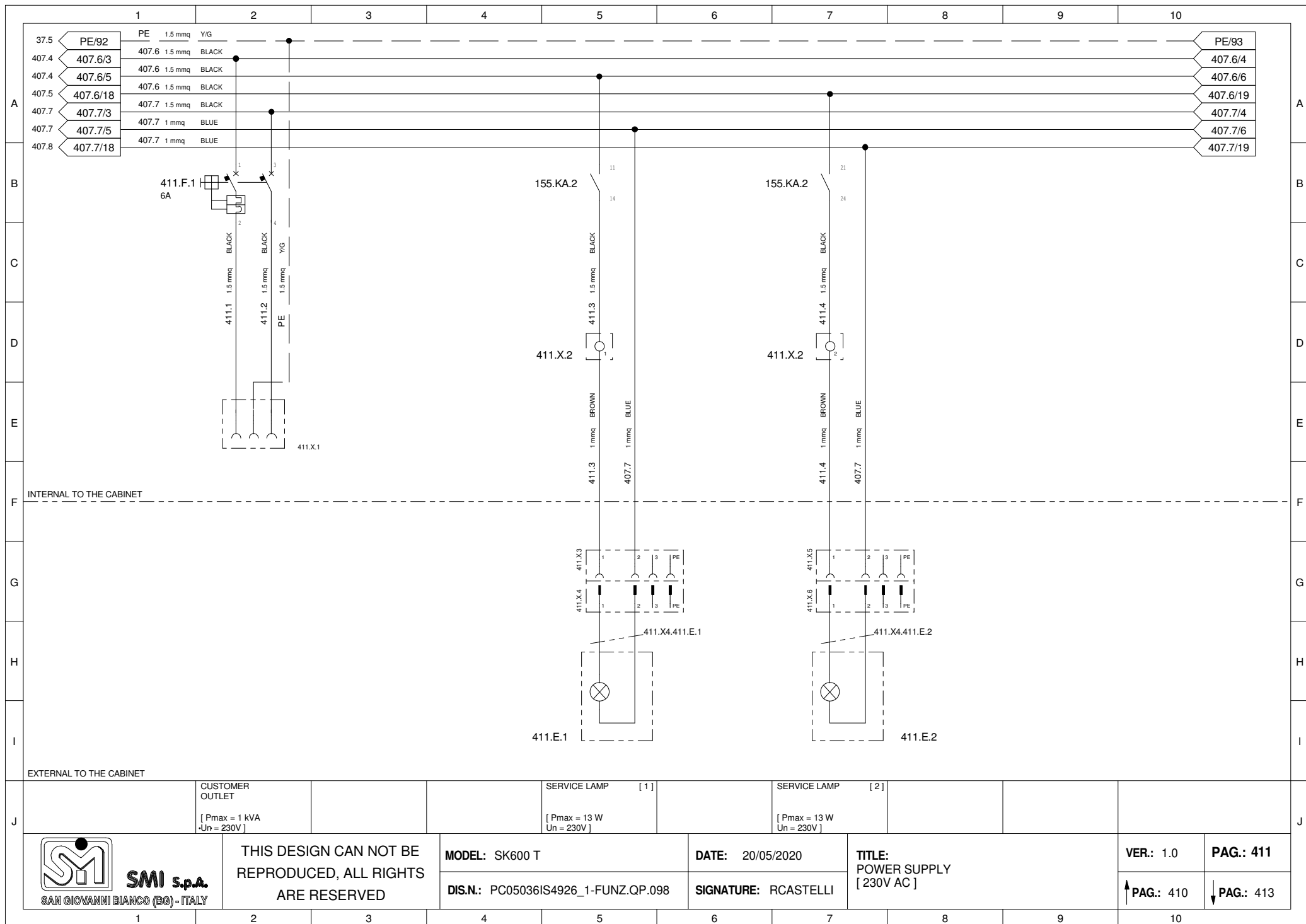
**TITLE:**  
POWER SUPPLY  
[ 230V AC ]

**VER.:** 1.0

**PAG.:** 410

↑ **PAG.:** 409

↓ **PAG.:** 411



INTERNAL TO THE CABINET

EXTERNAL TO THE CABINET

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MODEL: SK600 T

DIS.N.: PC05036IS4926\_1-FUNZ.QP.098

DATE: 20/05/2020

SIGNATURE: RCASTELLI

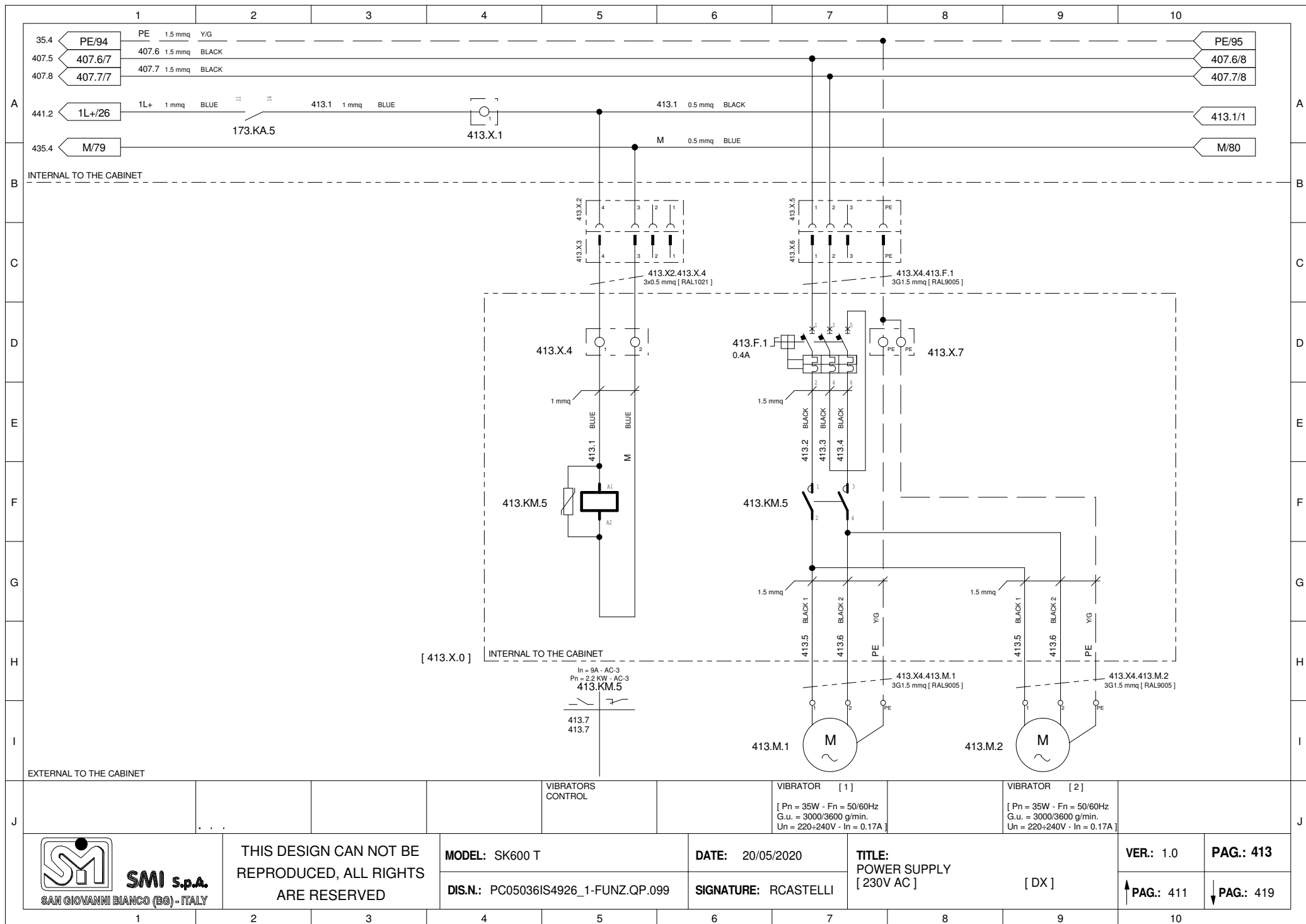
TITLE:  
POWER SUPPLY  
[ 230V AC ]

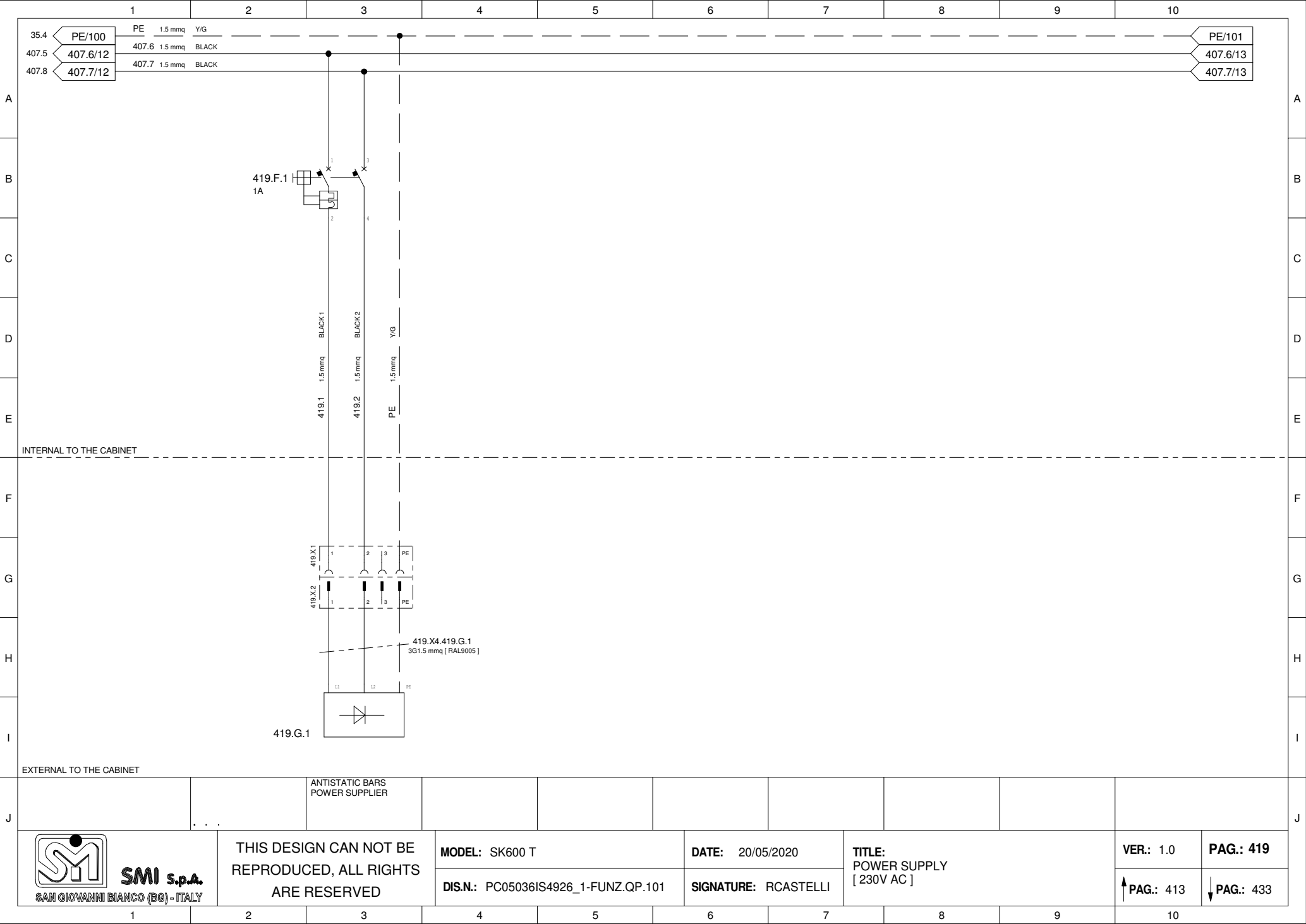
VER.: 1.0

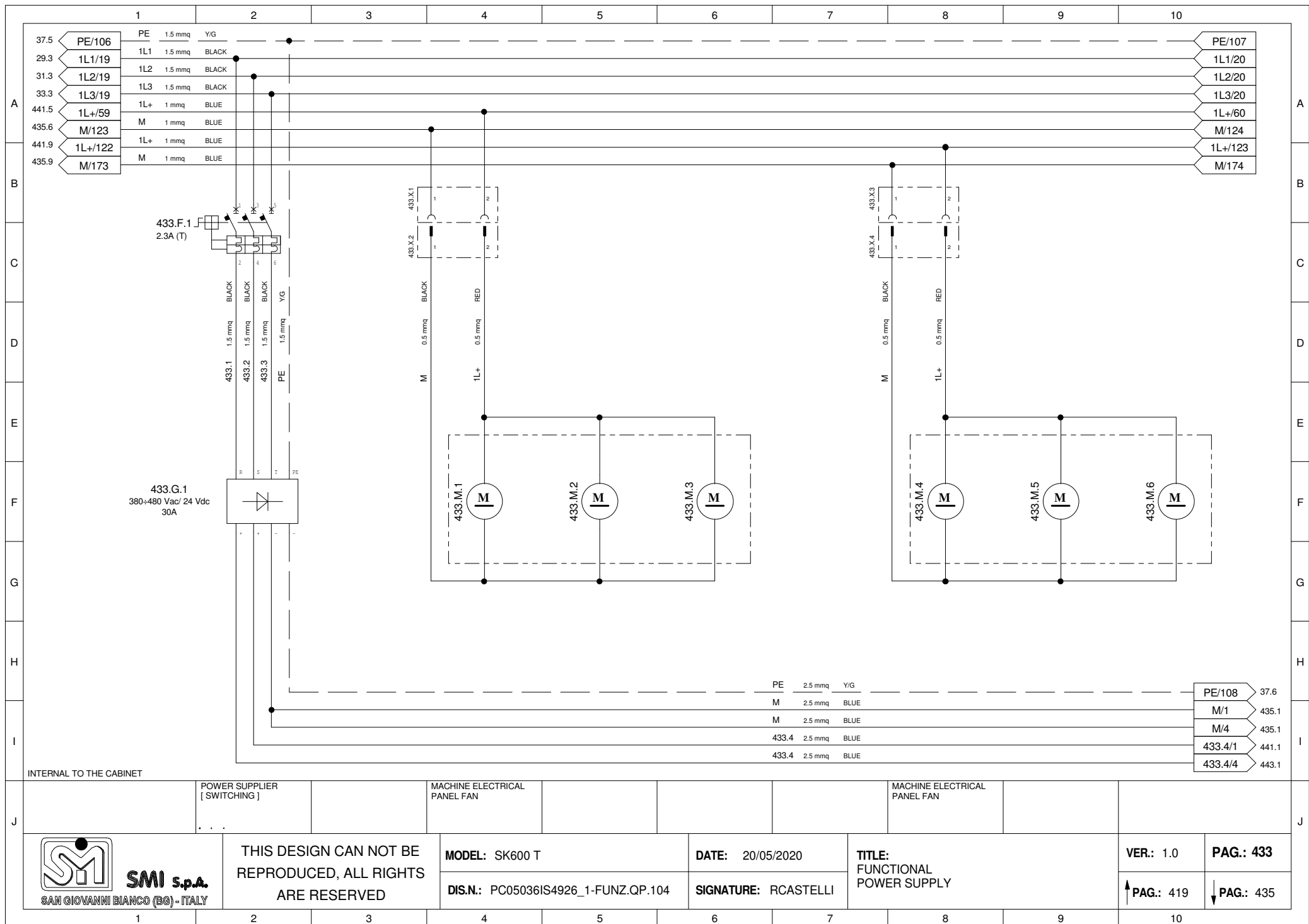
↑ PAG.: 410

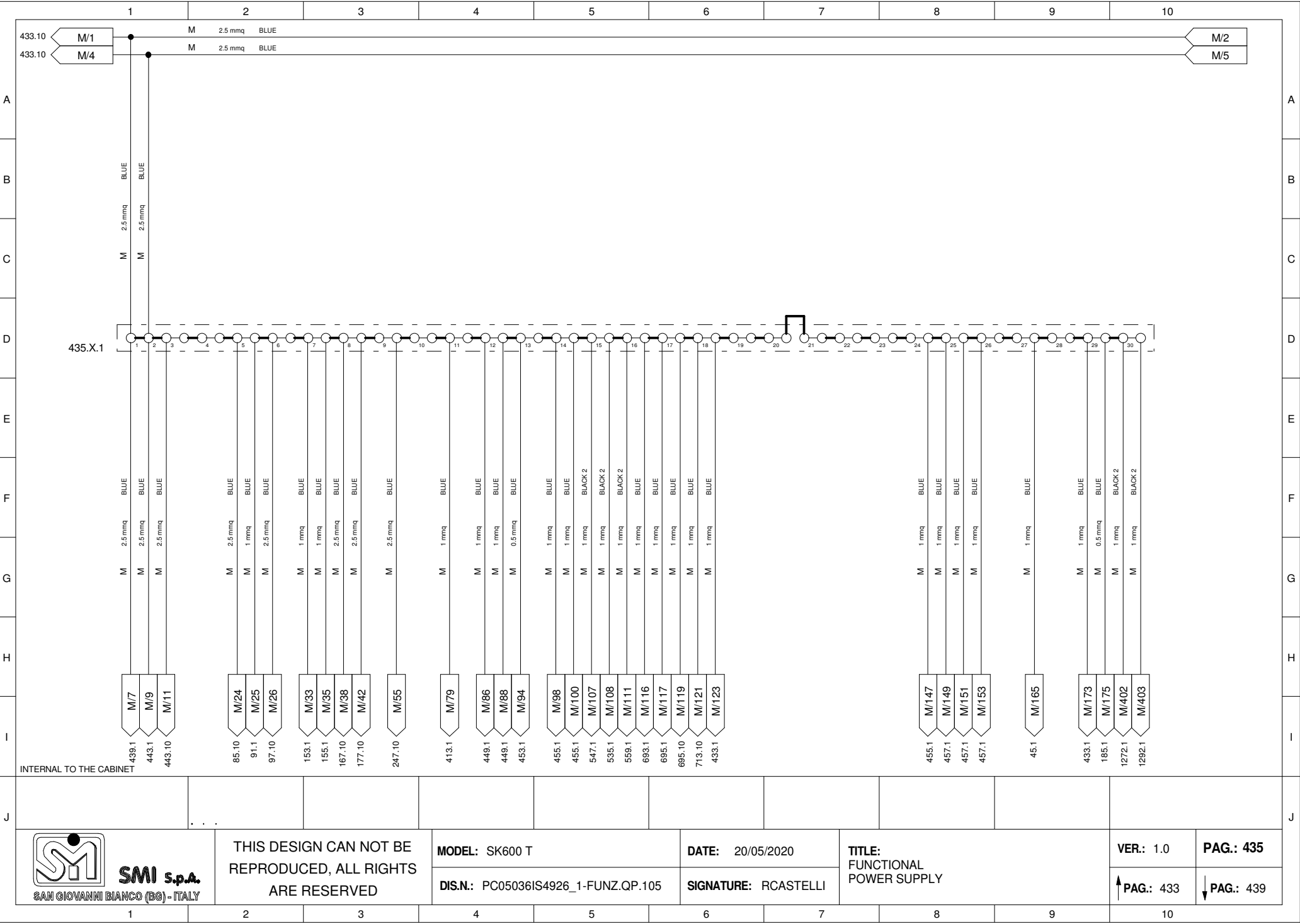
PAG.: 411

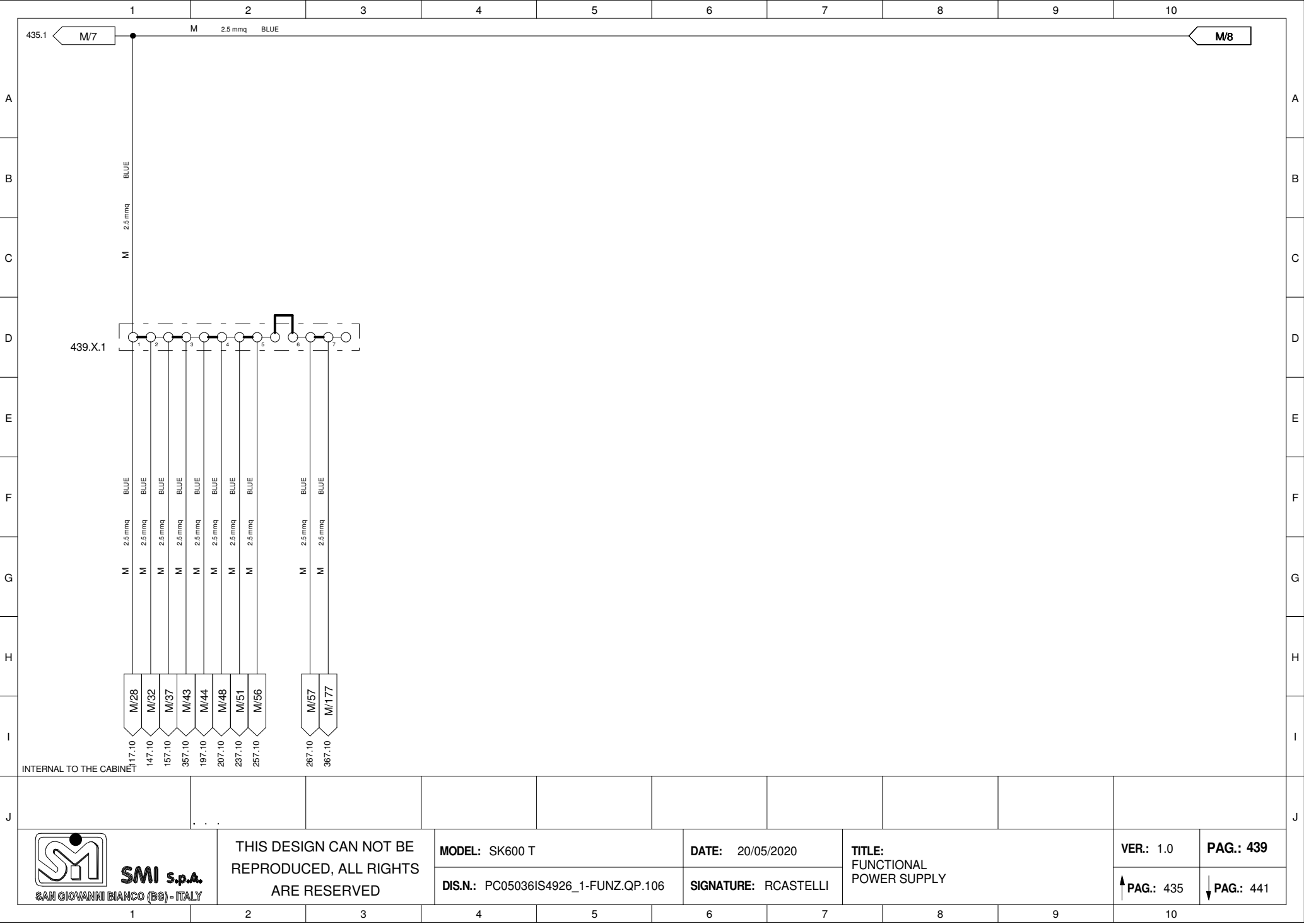
↓ PAG.: 413



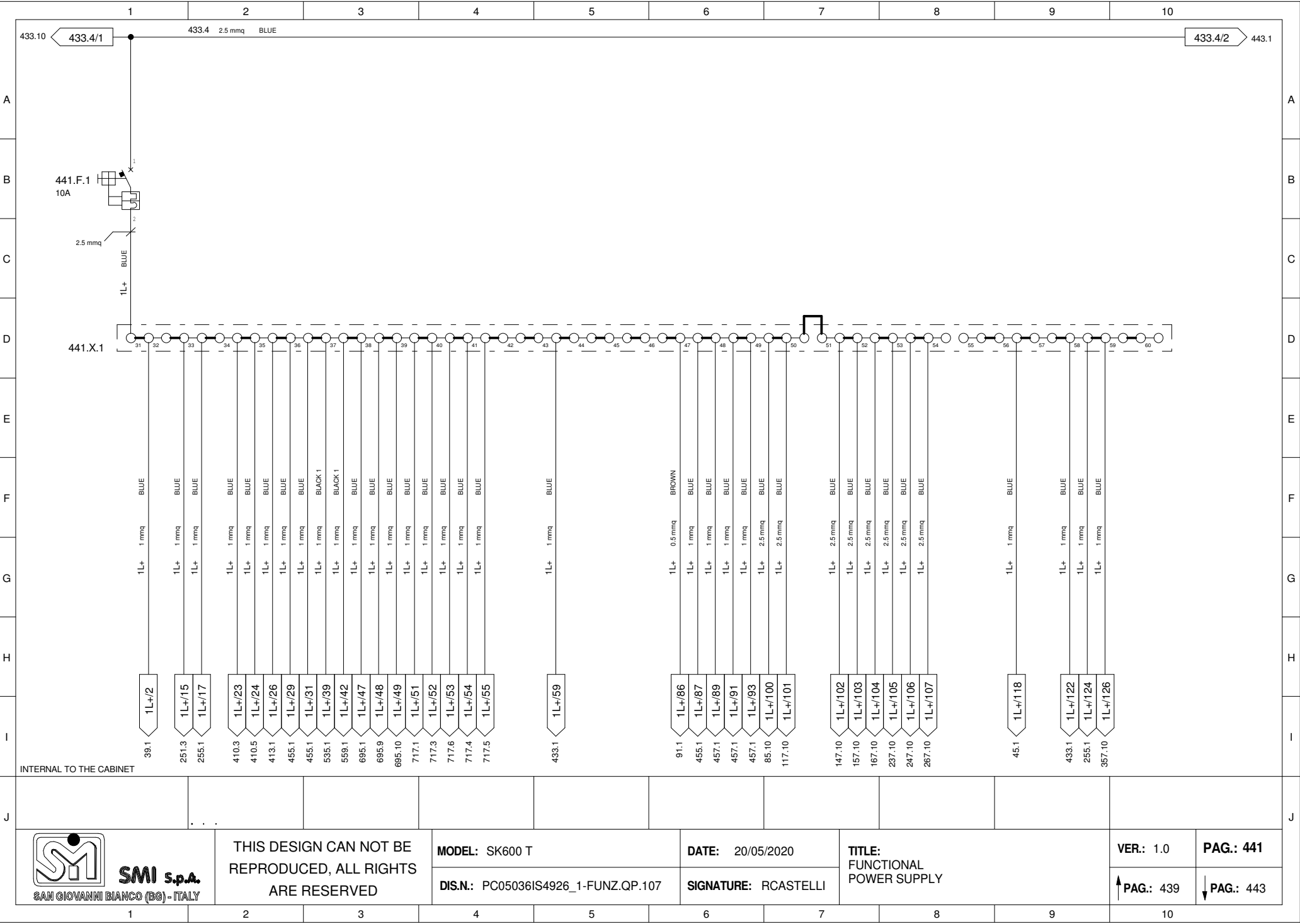


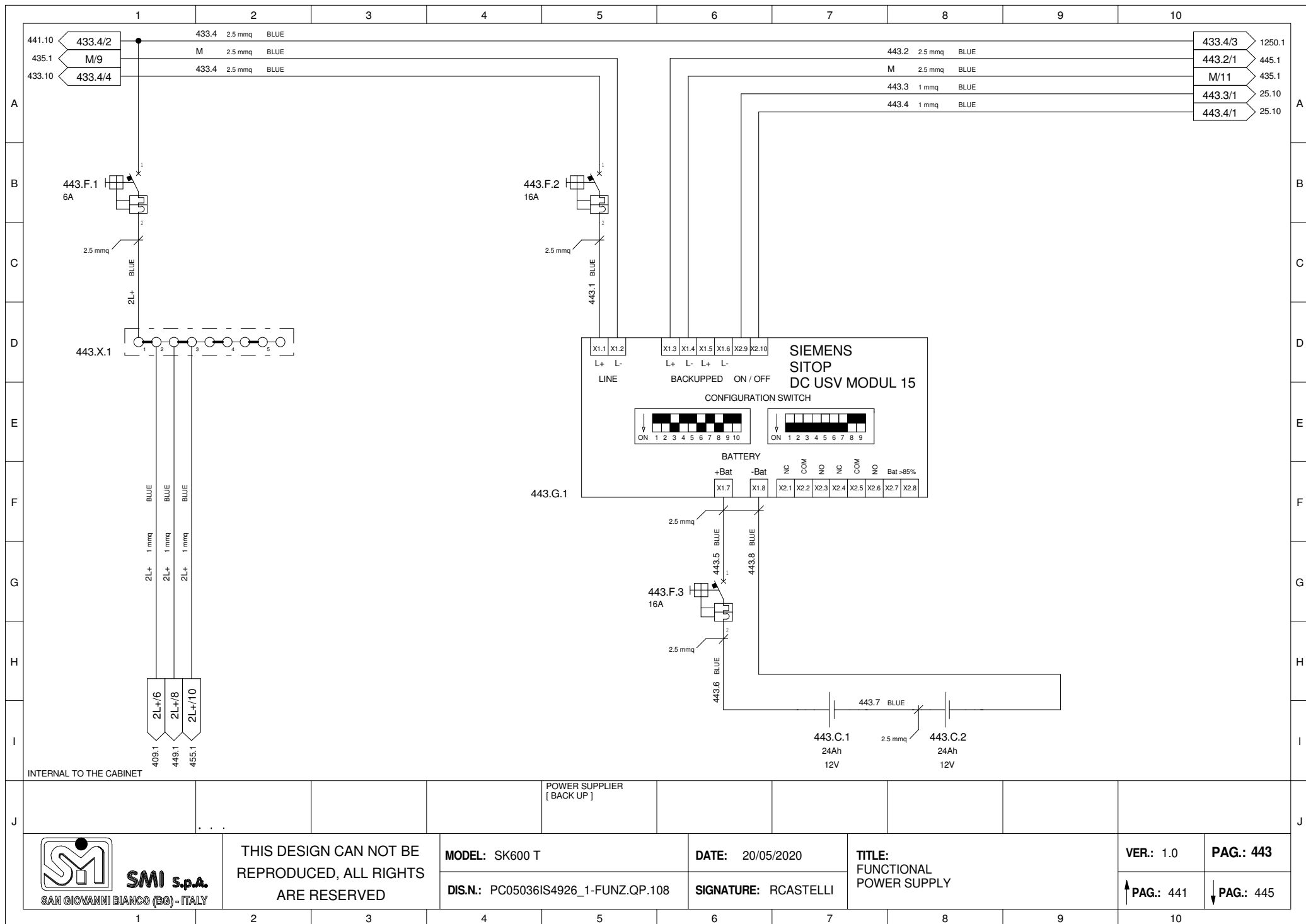












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**MODEL:** SK600 T

**DIS.N.:** PC05036IS4926\_1-FUNZ.QP.108

**DATE:** 20/05/2020

**SIGNATURE:** RCASTELLI

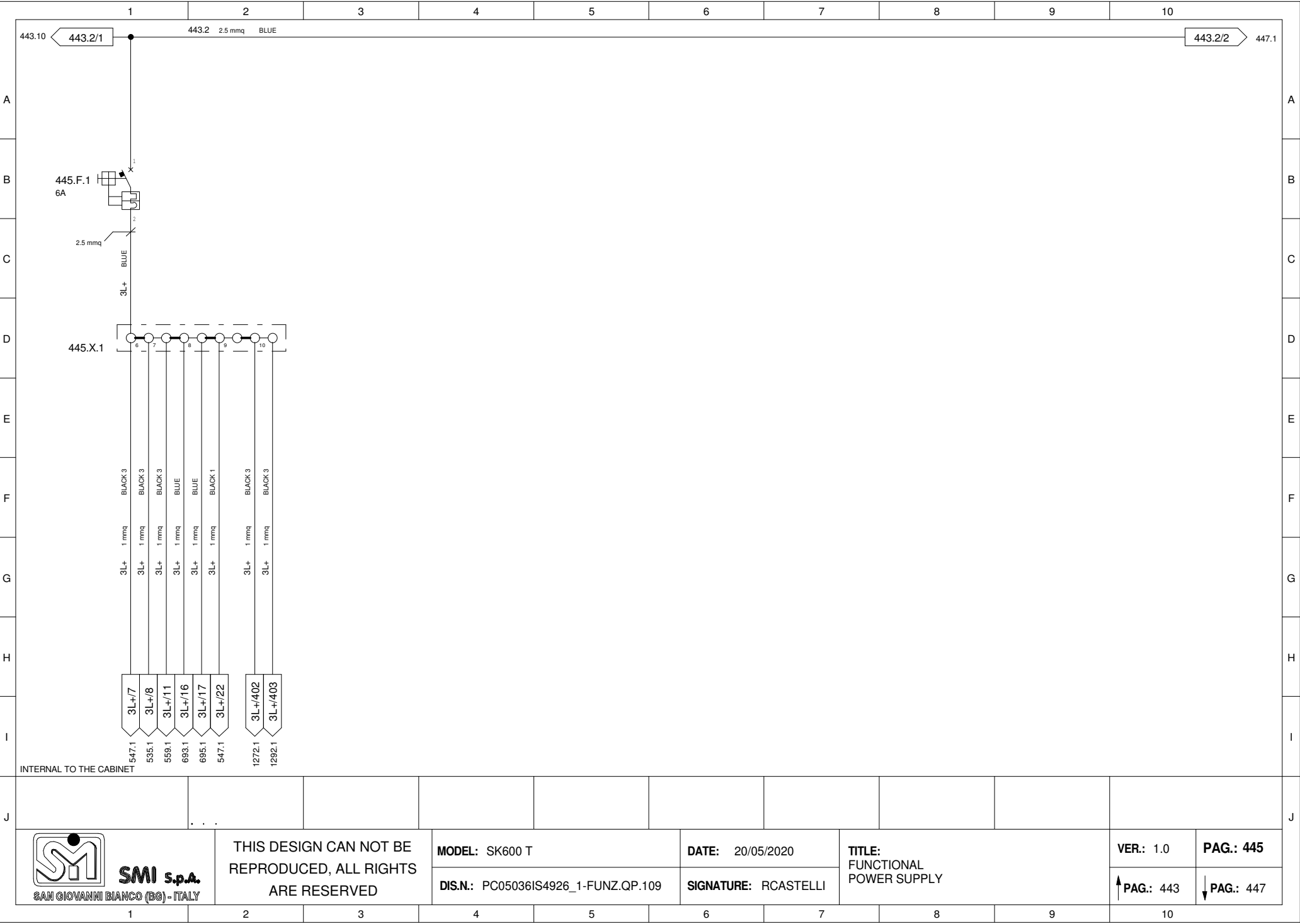
**TITLE:**  
FUNCTIONAL  
POWER SUPPLY

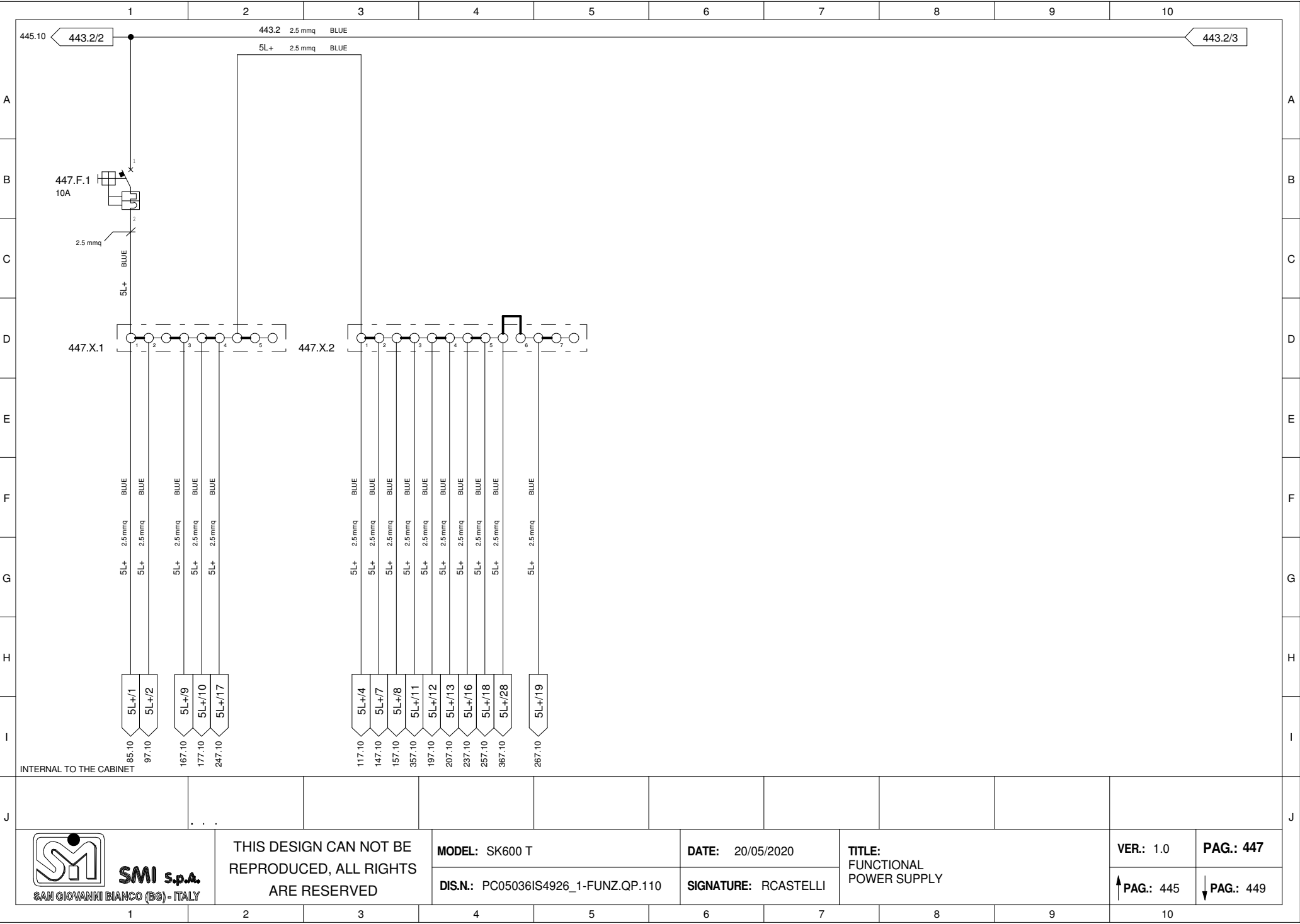
**VER.:** 1.0

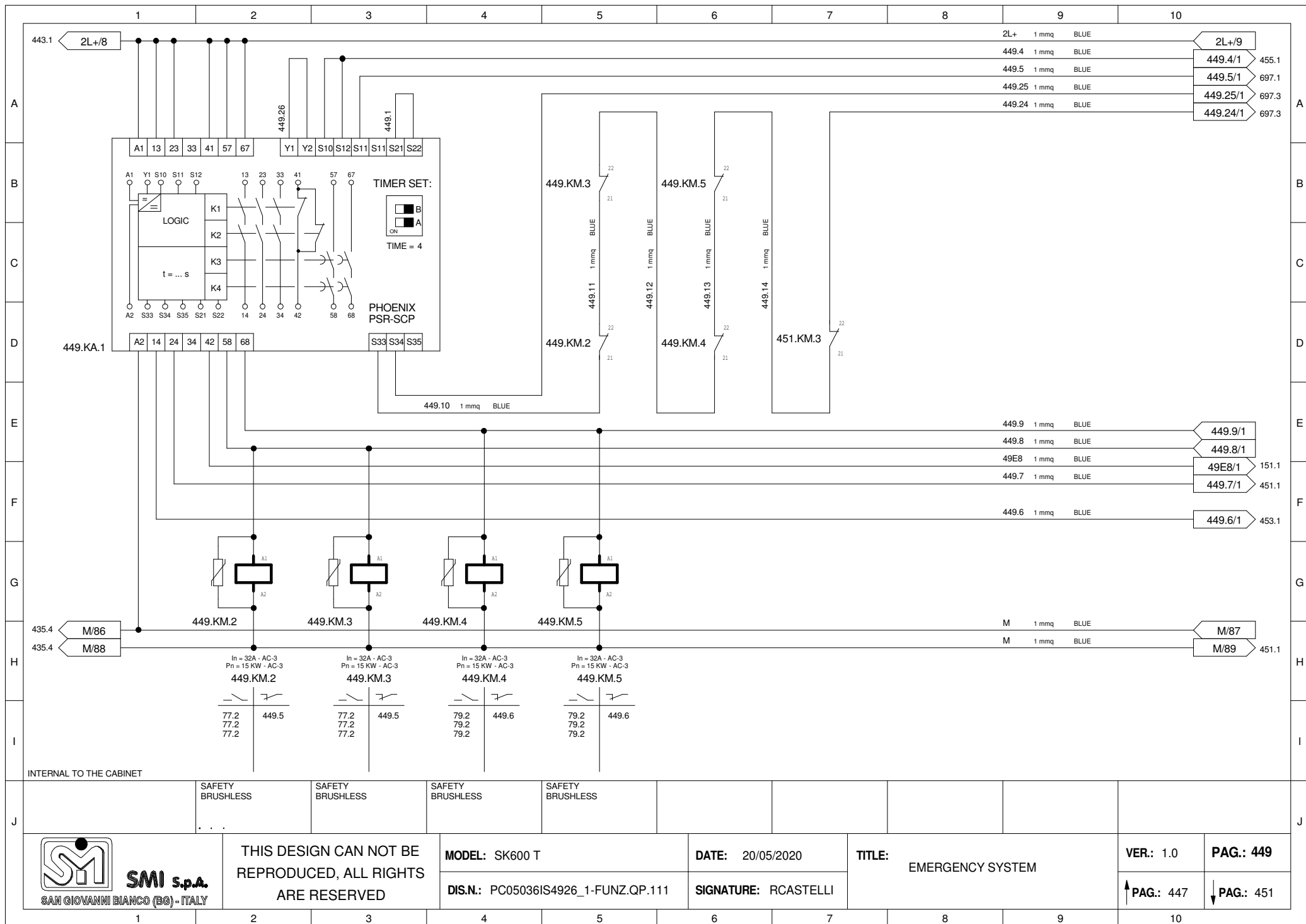
**PAG.:** 441

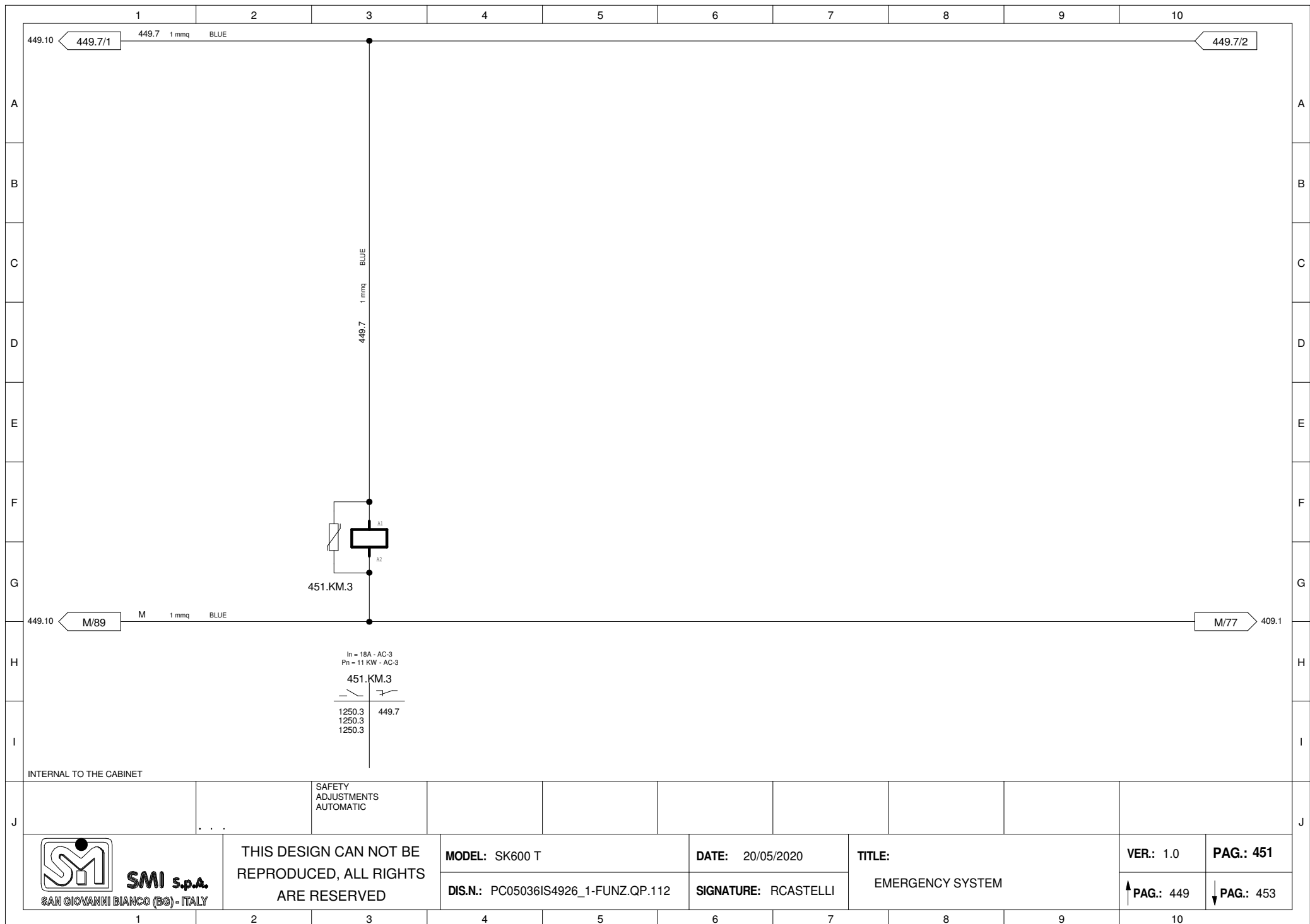
**PAG.:** 443

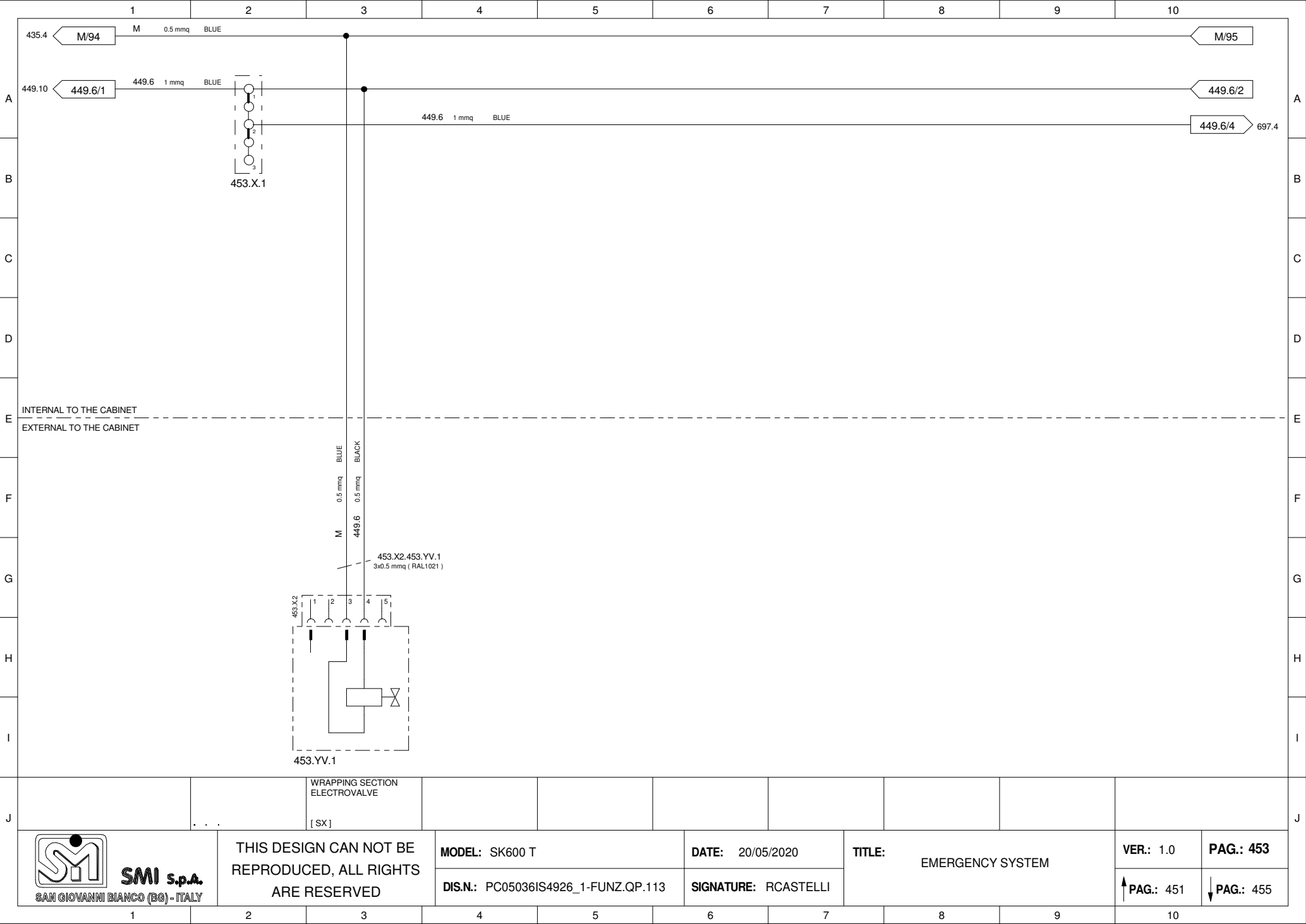
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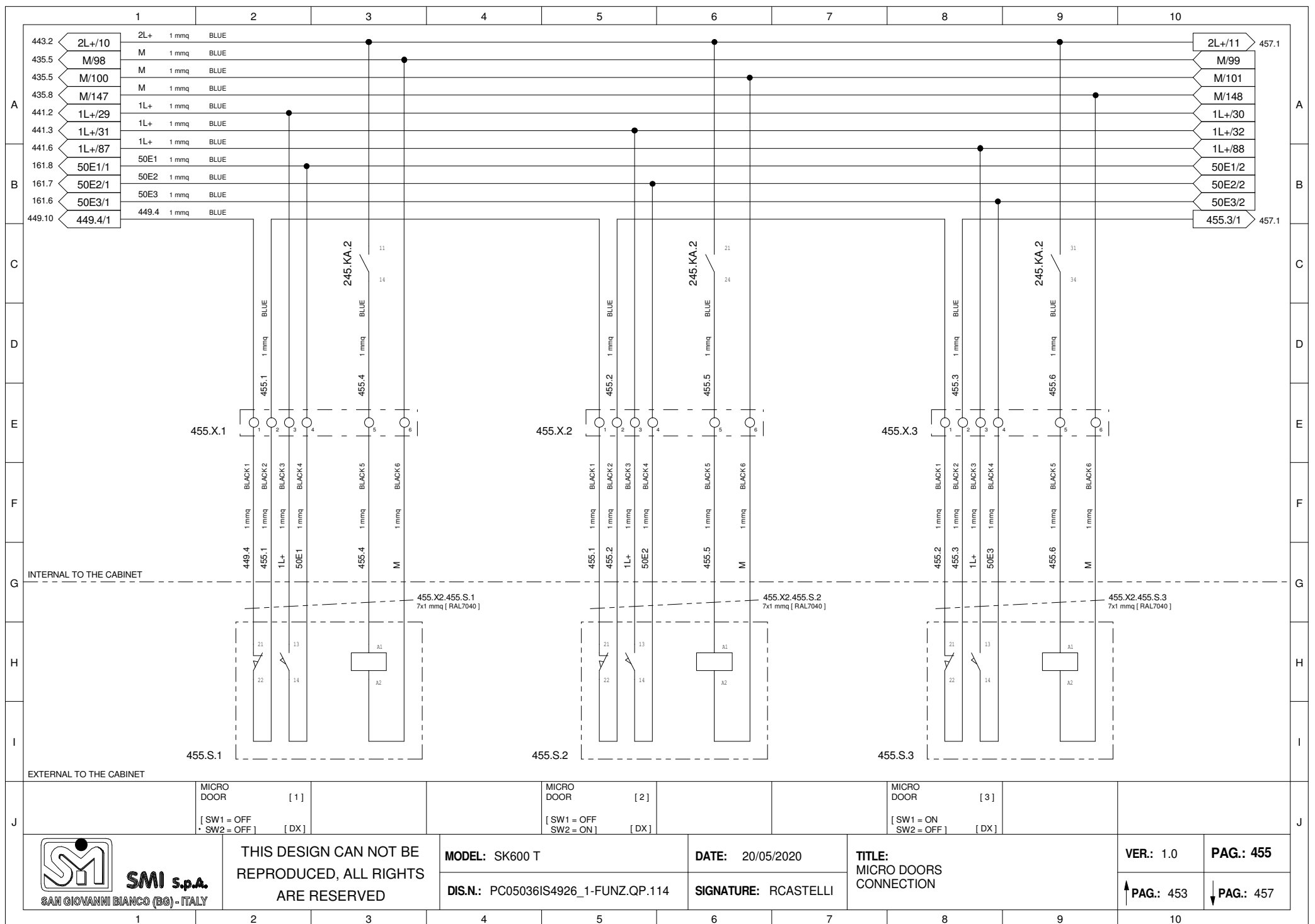




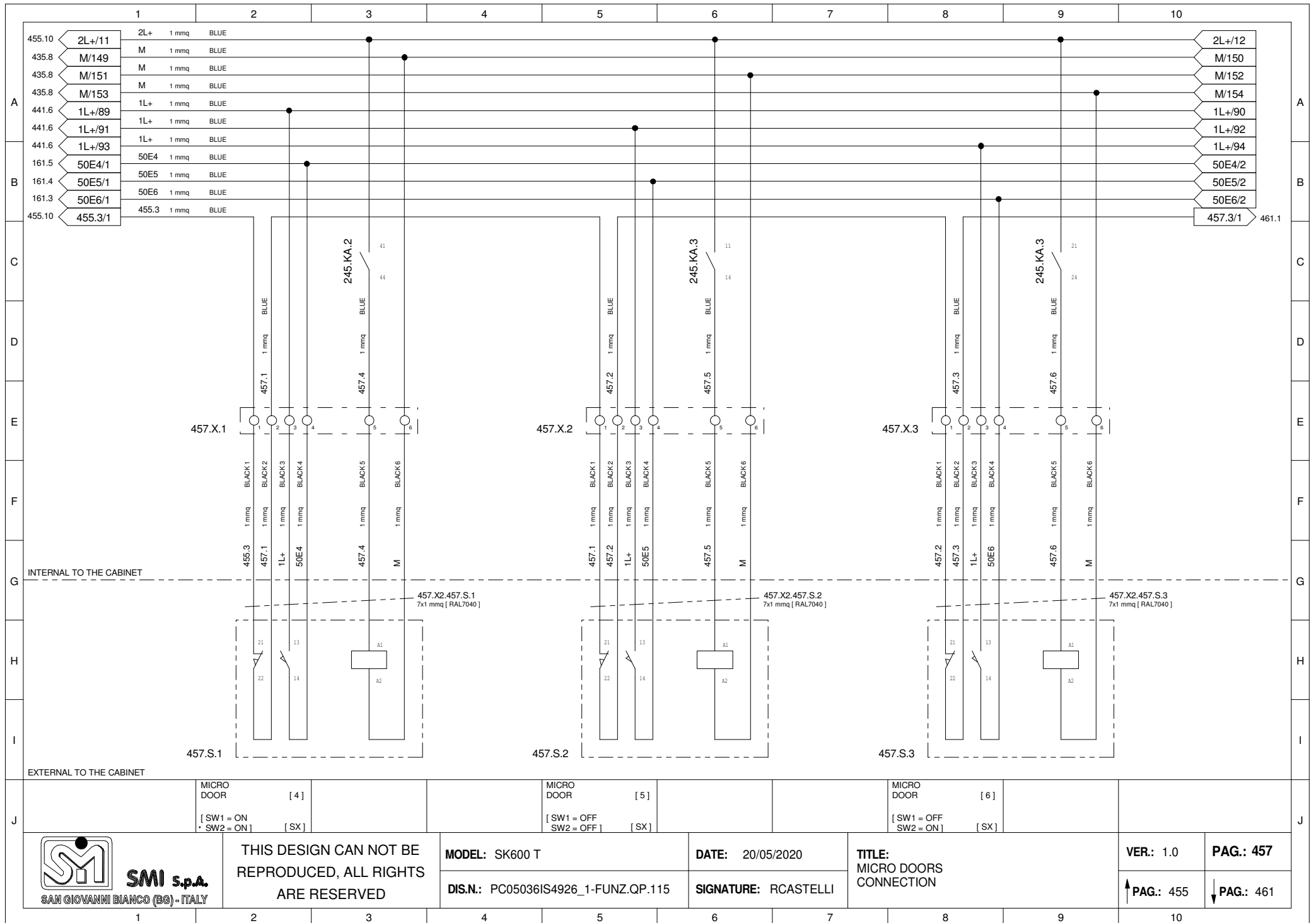


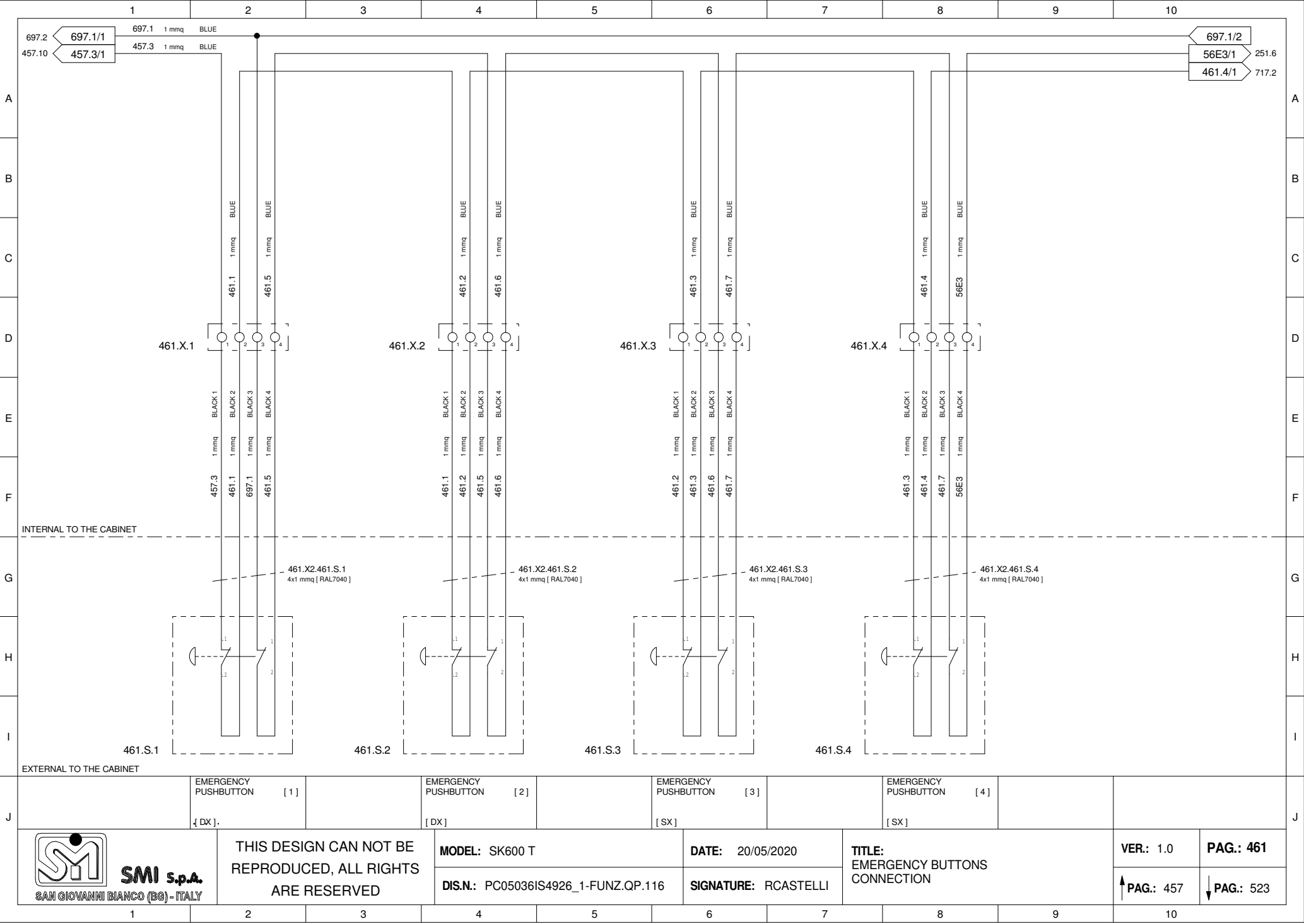


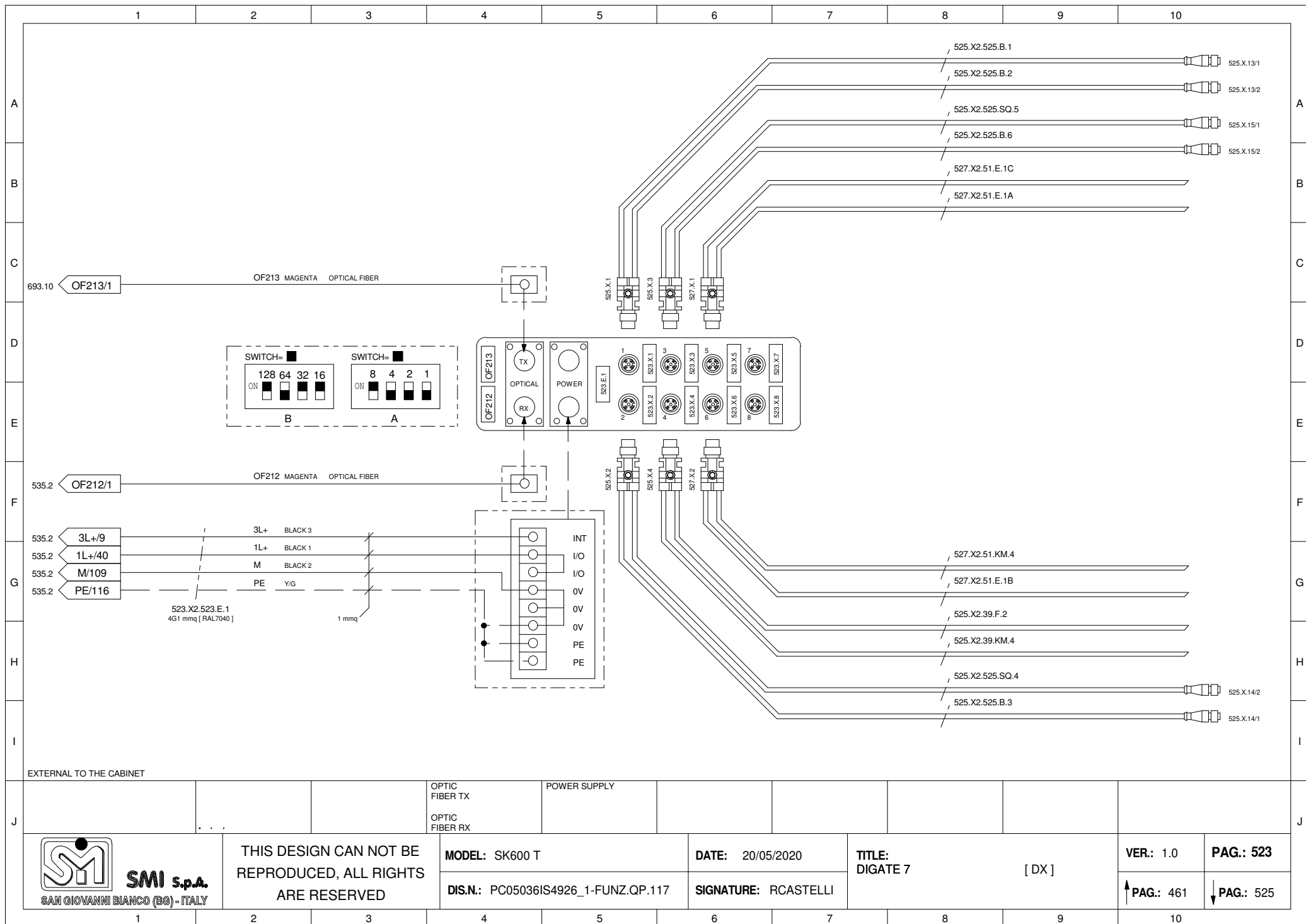












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**MODEL:** SK600 T

**DIS.N.:** PC05036IS4926\_1-FUNZ.QP.117

**DATE:** 20/05/2020

**SIGNATURE:** RCASTELLI

**TITLE:**  
DIGATE 7

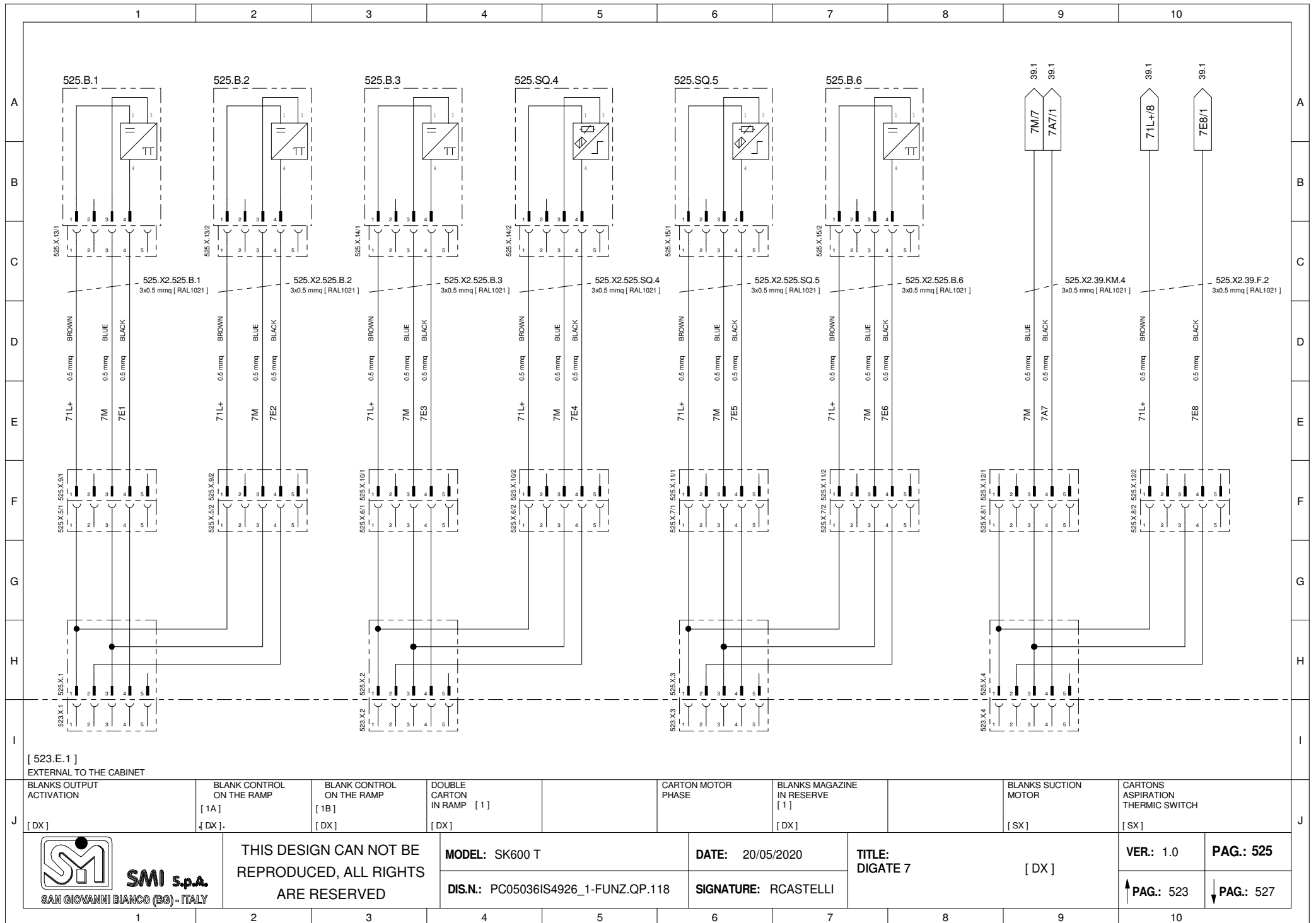
[ DX ]

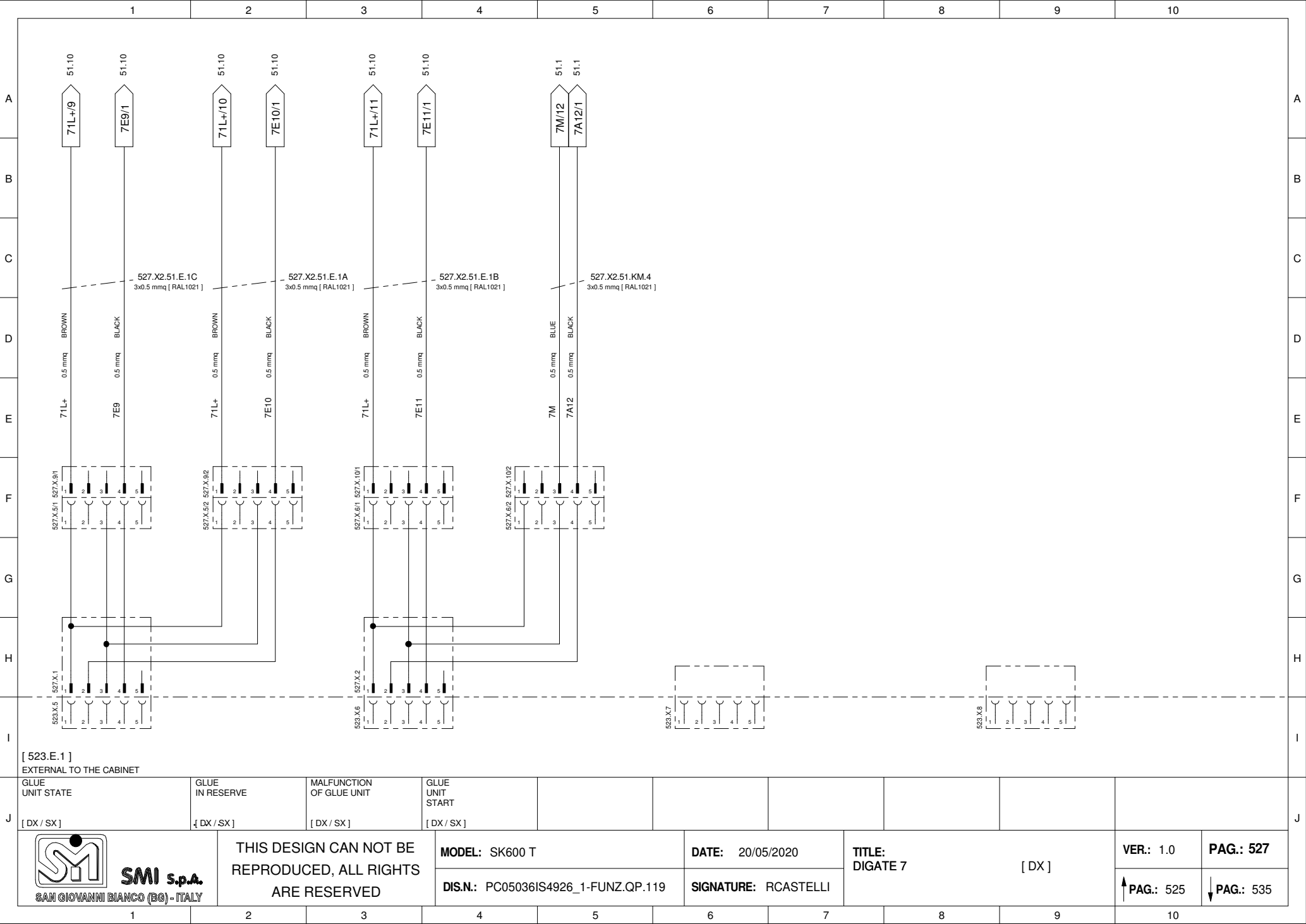
**VER.:** 1.0

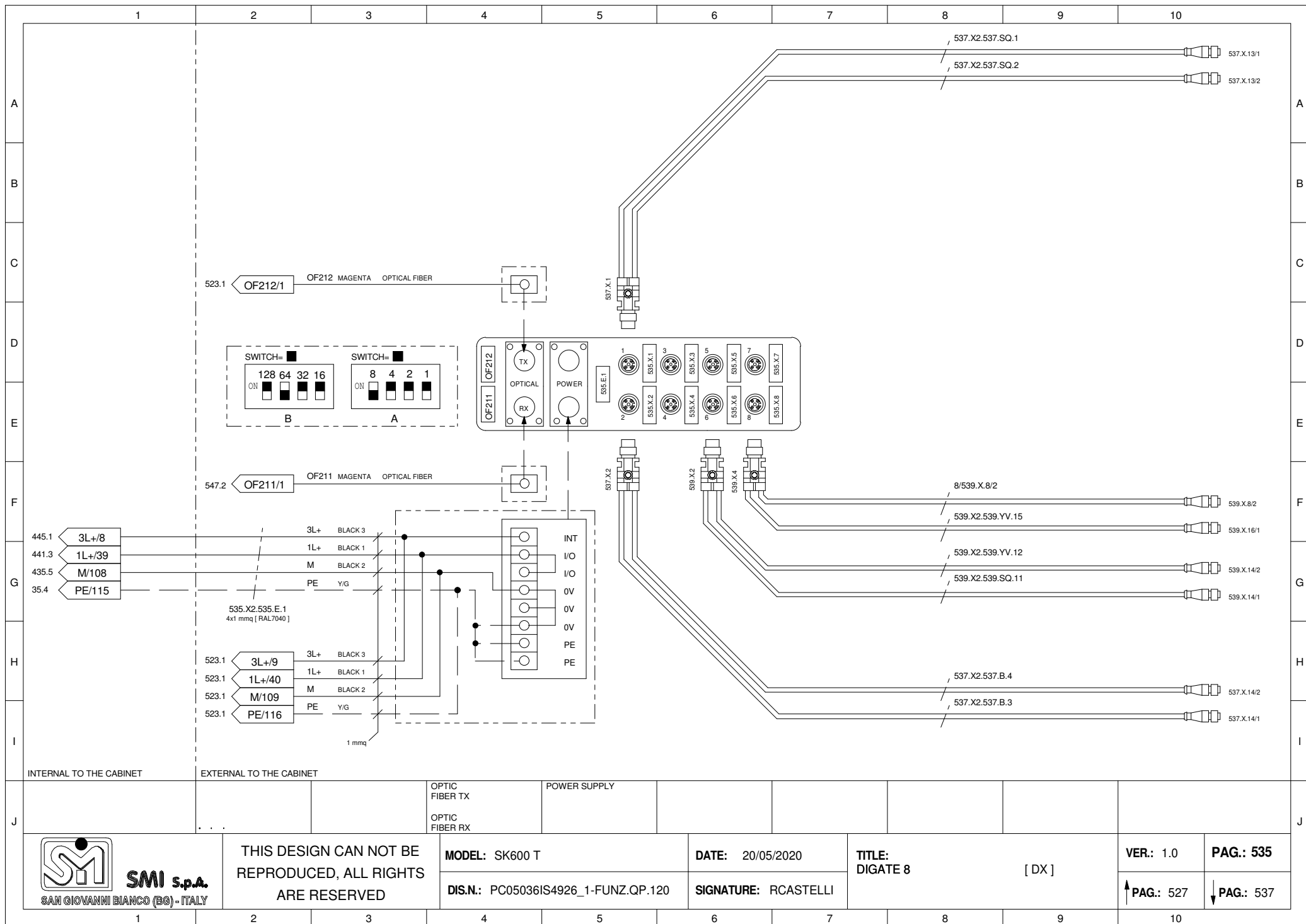
**PAG.:** 523

↑ **PAG.:** 461

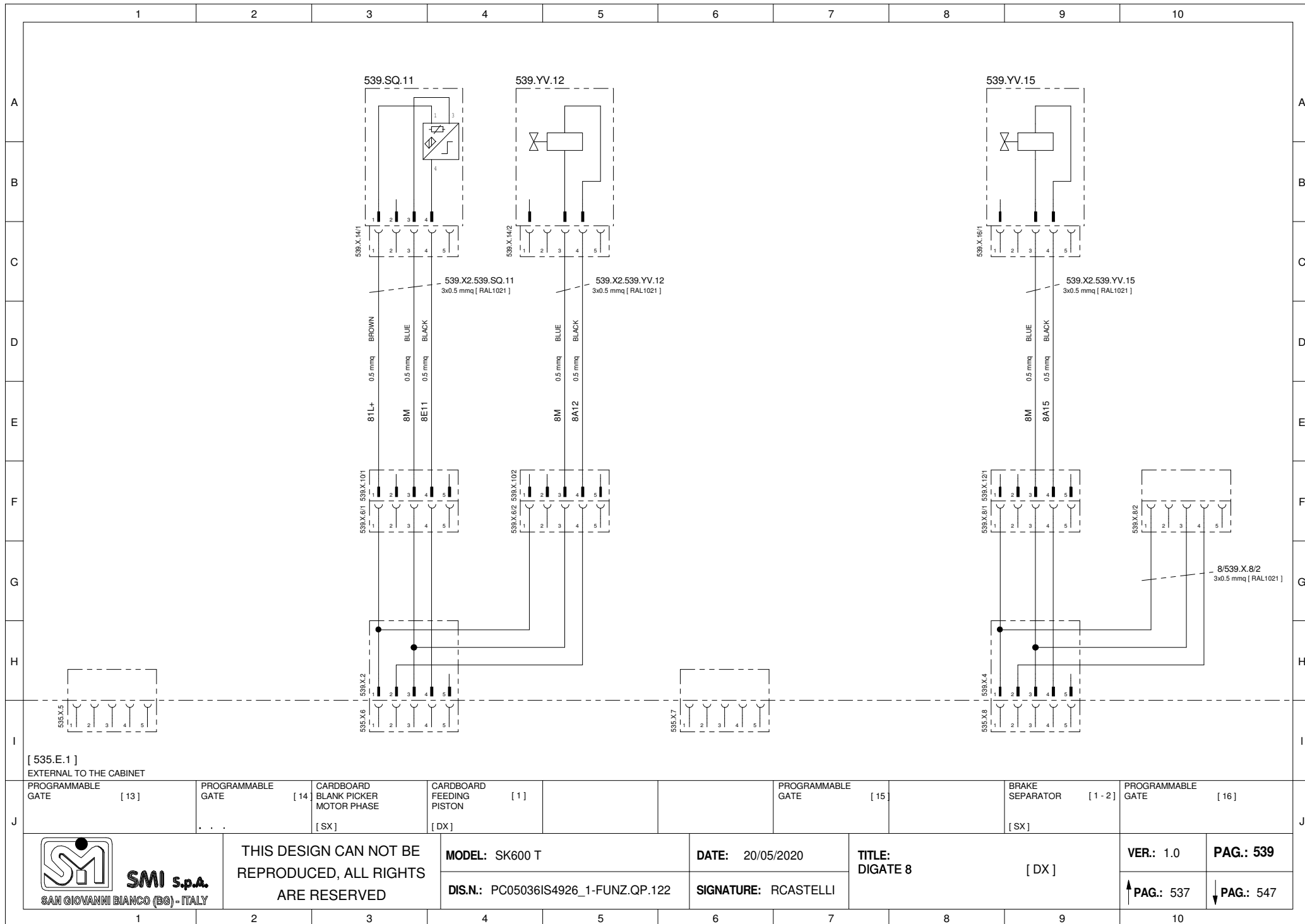
↓ **PAG.:** 525



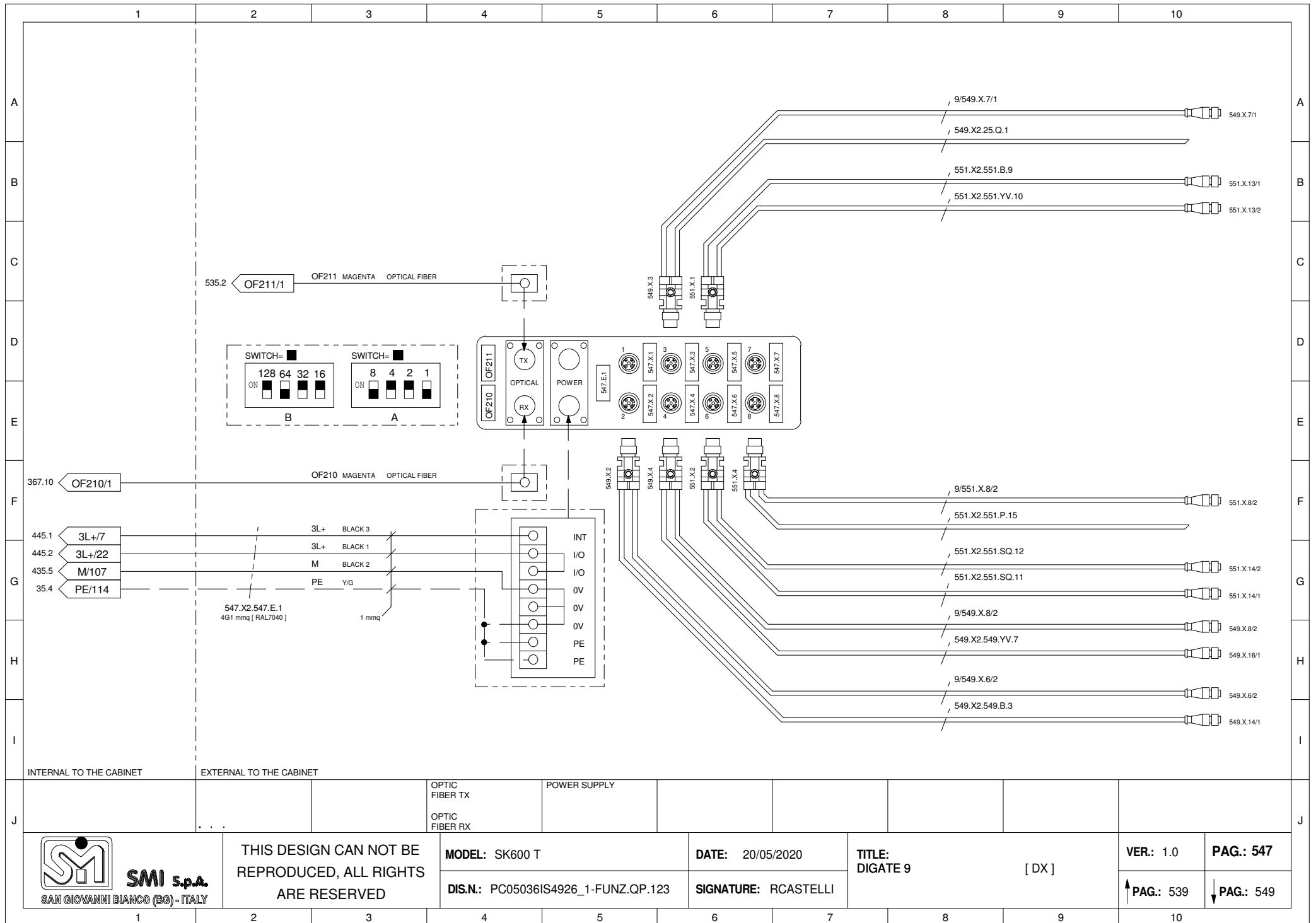


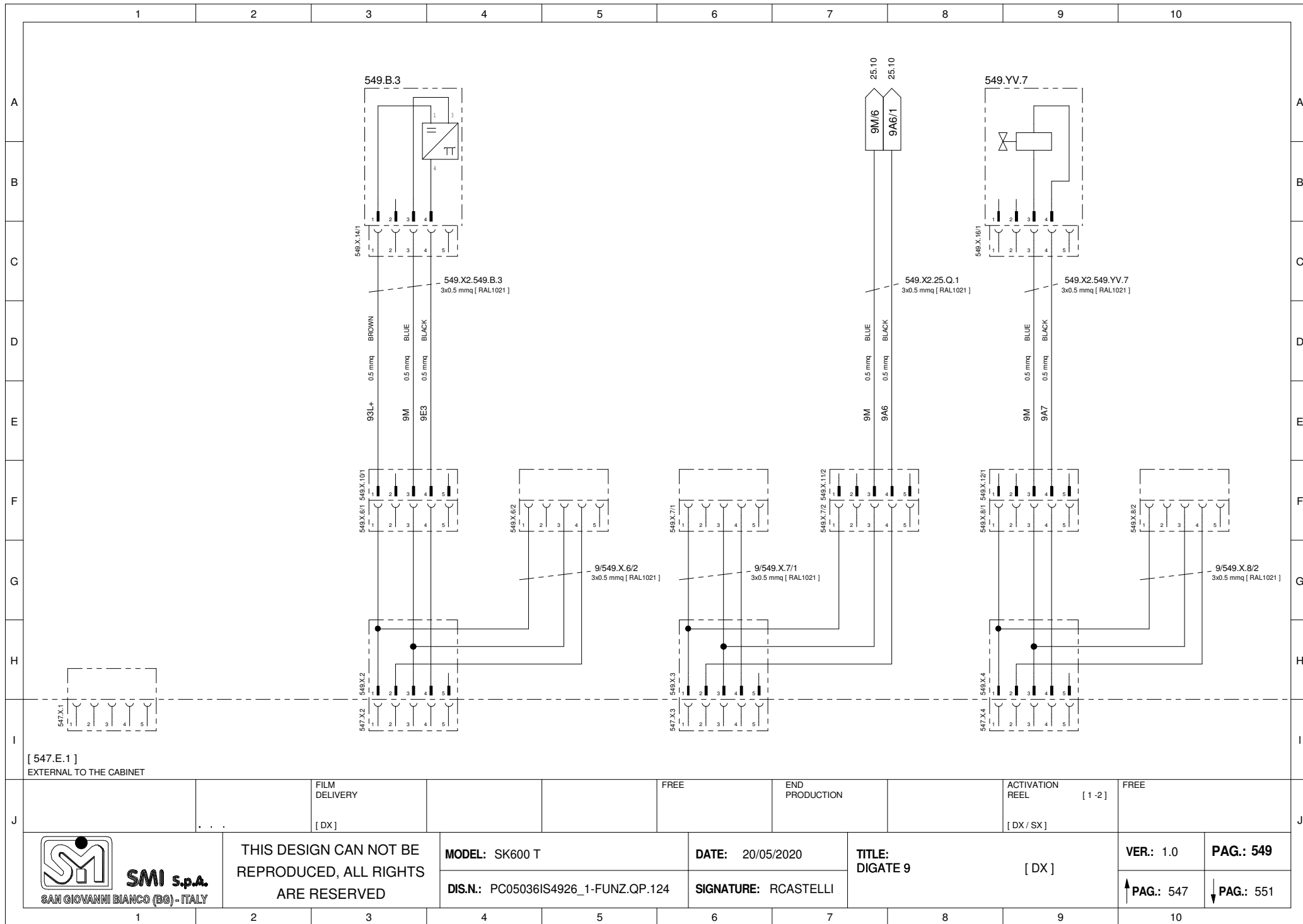


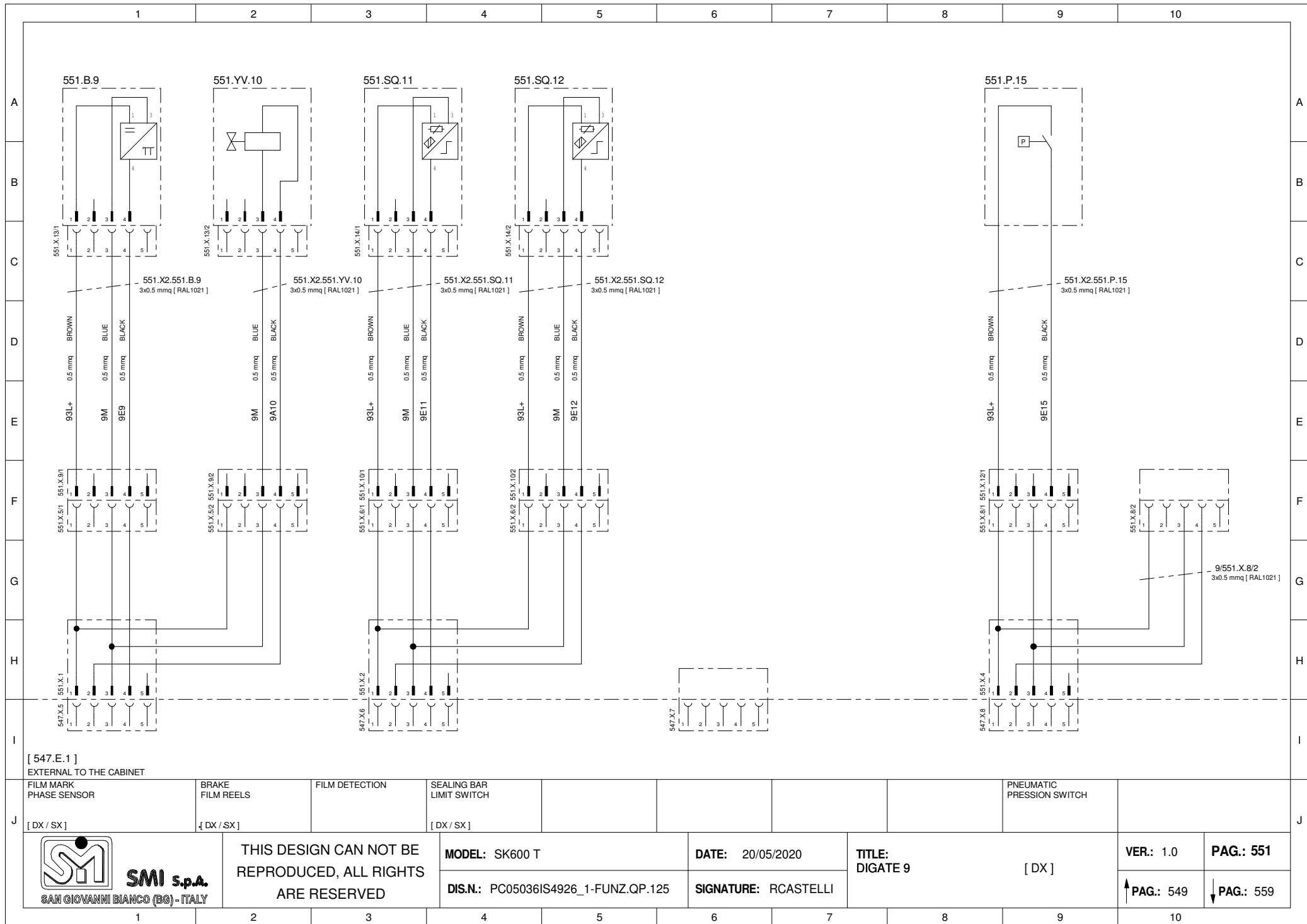


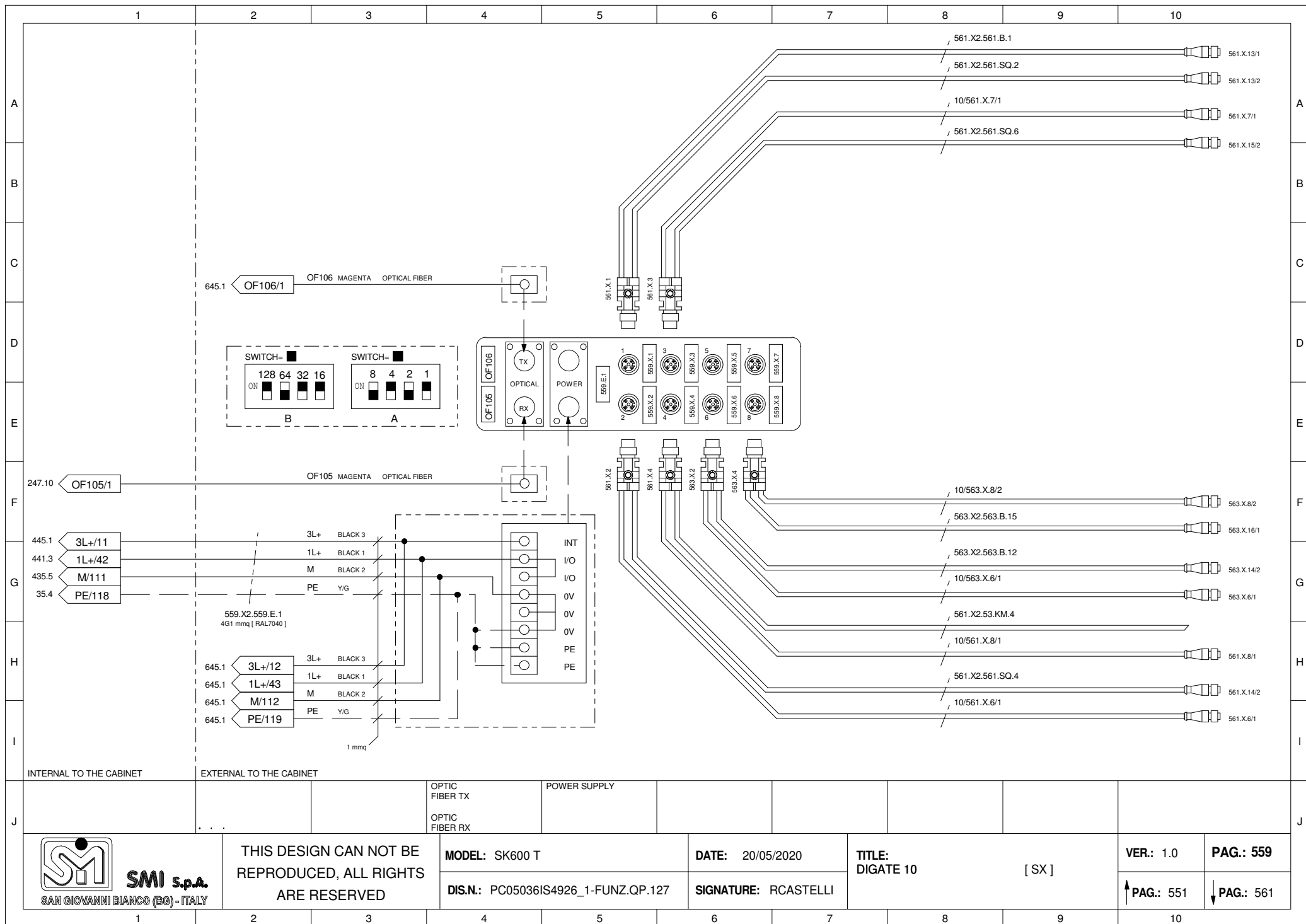












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MODEL: SK600 T

DIS.N.: PC05036IS4926\_1-FUNZ.QP.127

DATE: 20/05/2020

SIGNATURE: RCASTELLI

TITLE:  
DIGATE 10

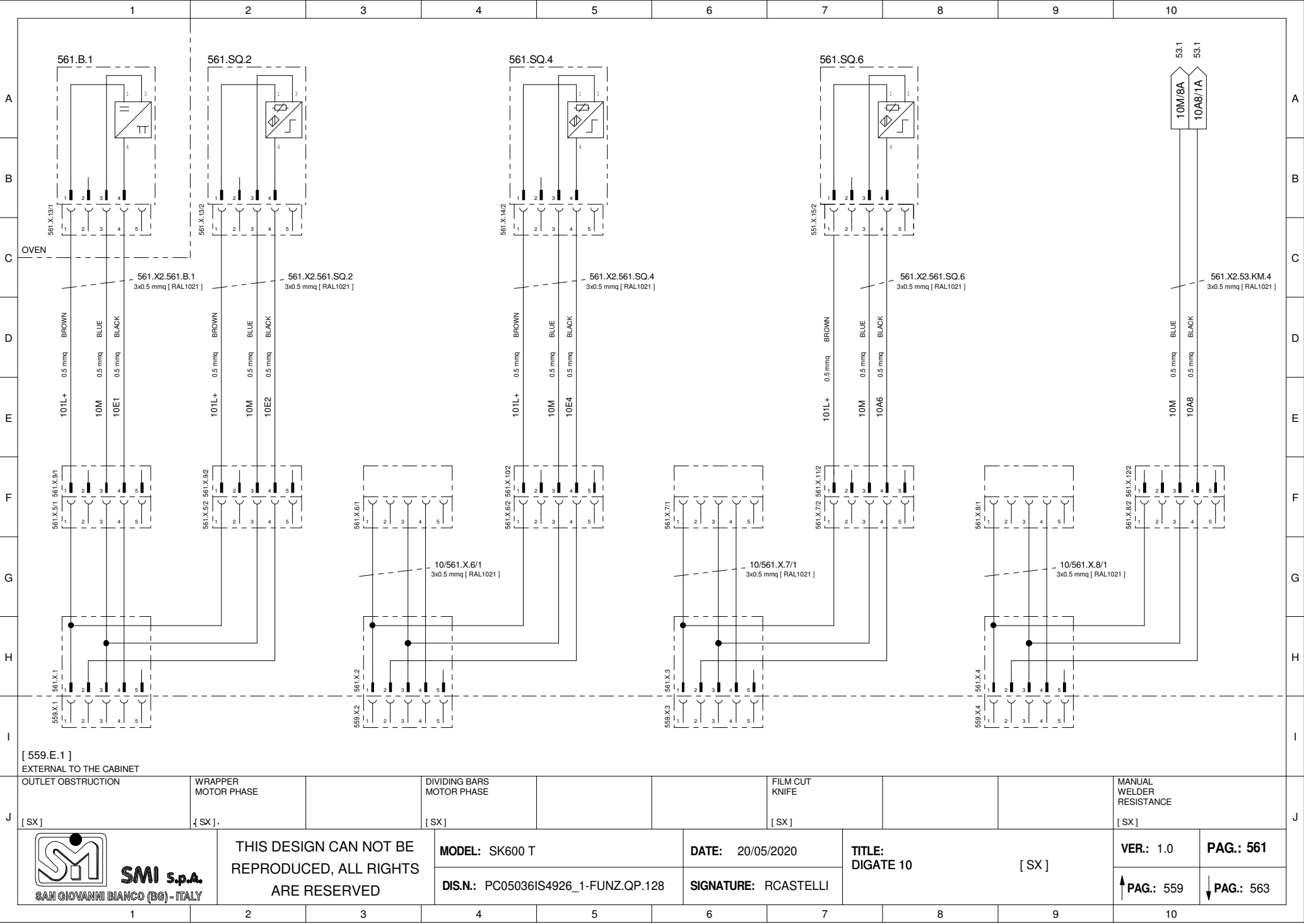
[SX]

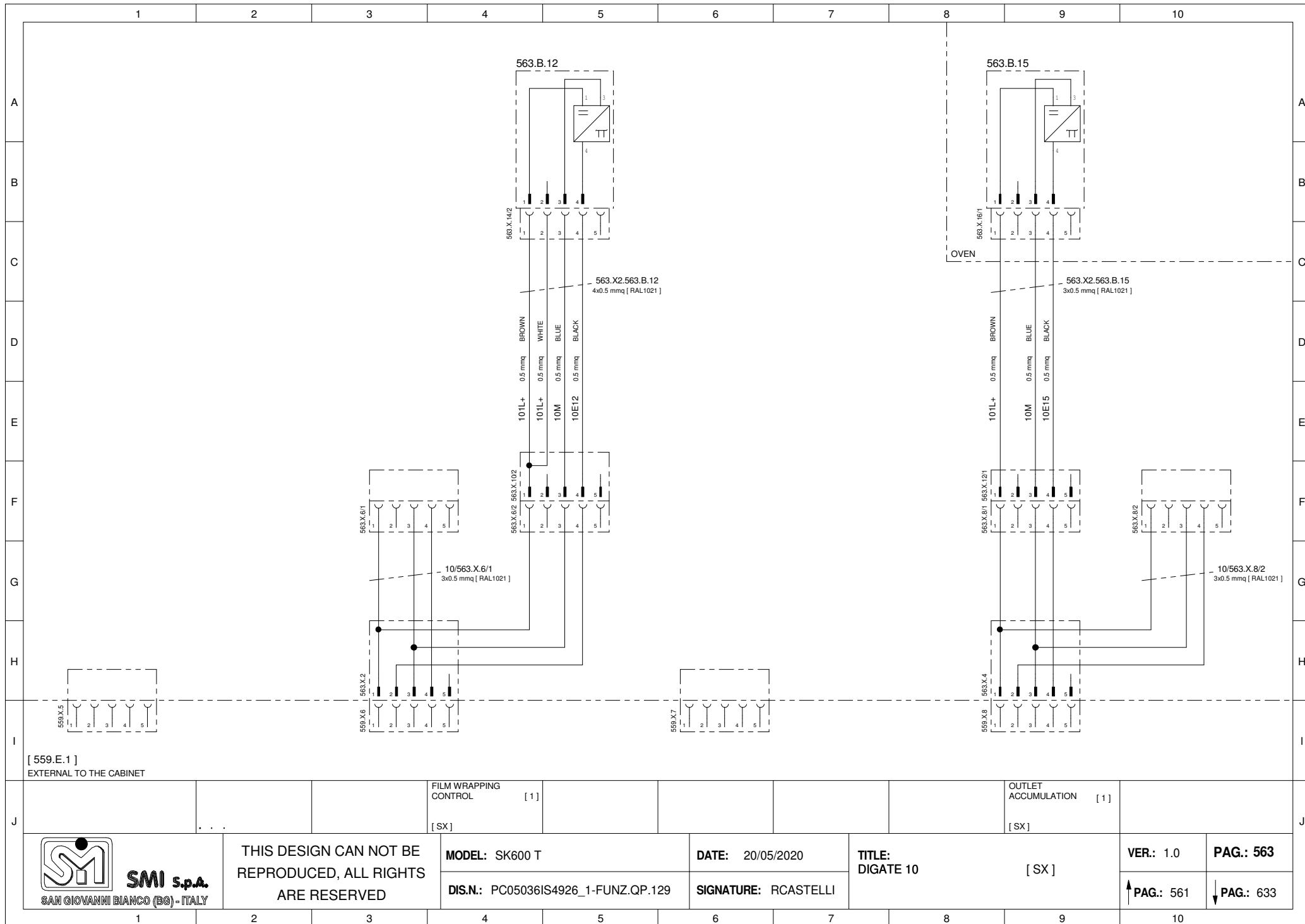
VER.: 1.0

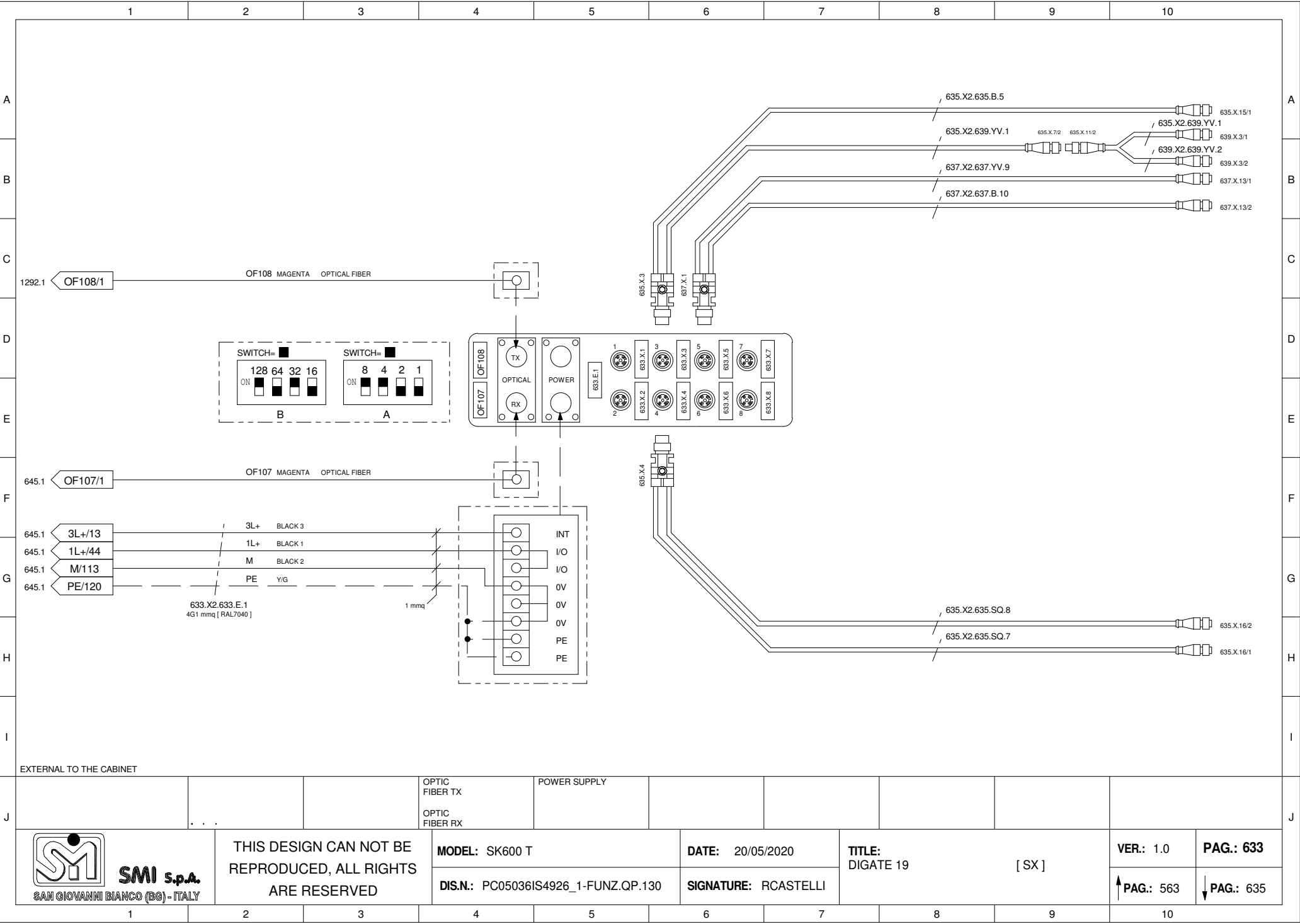
PAG.: 559

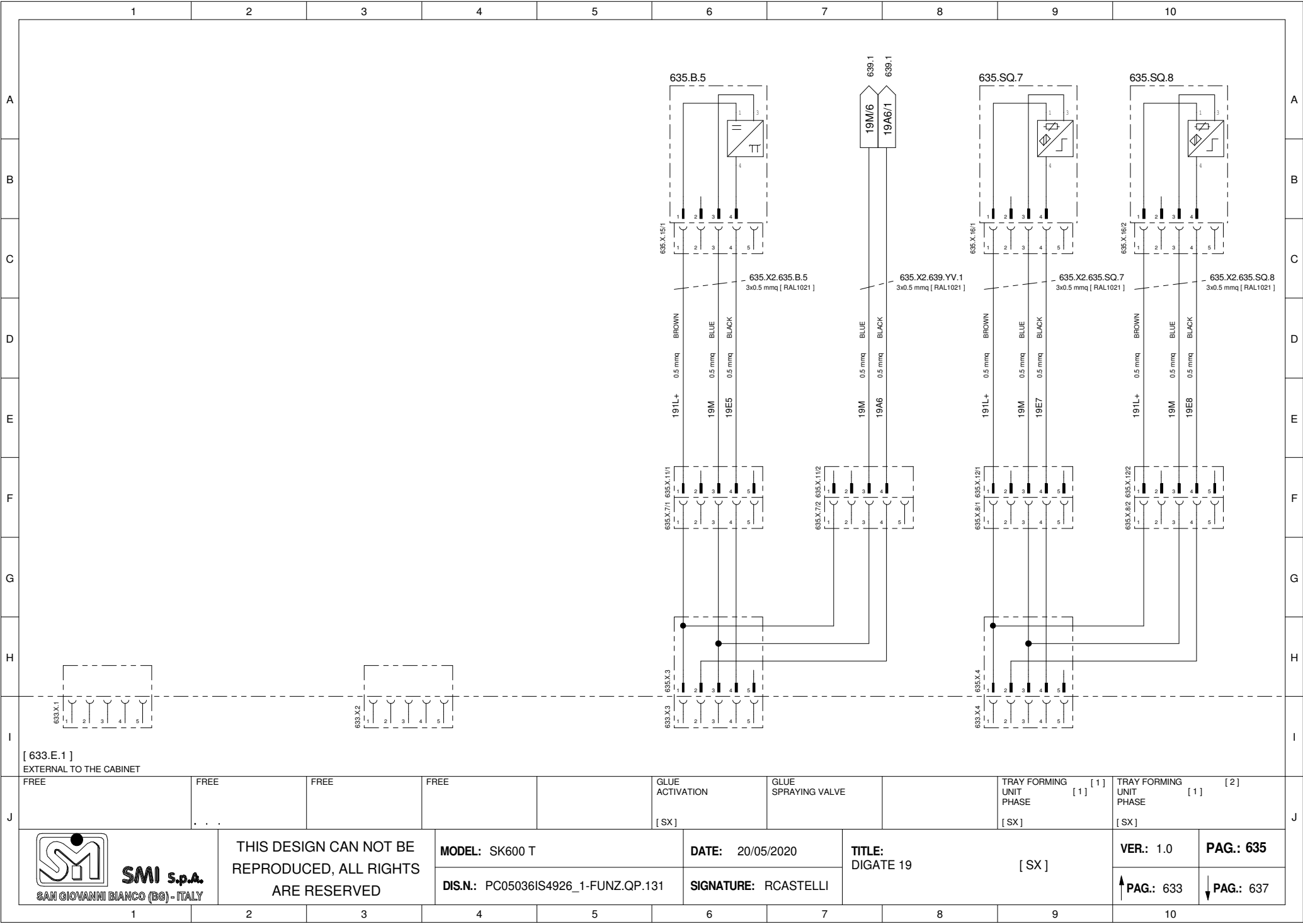
↑ PAG.: 551

↓ PAG.: 561

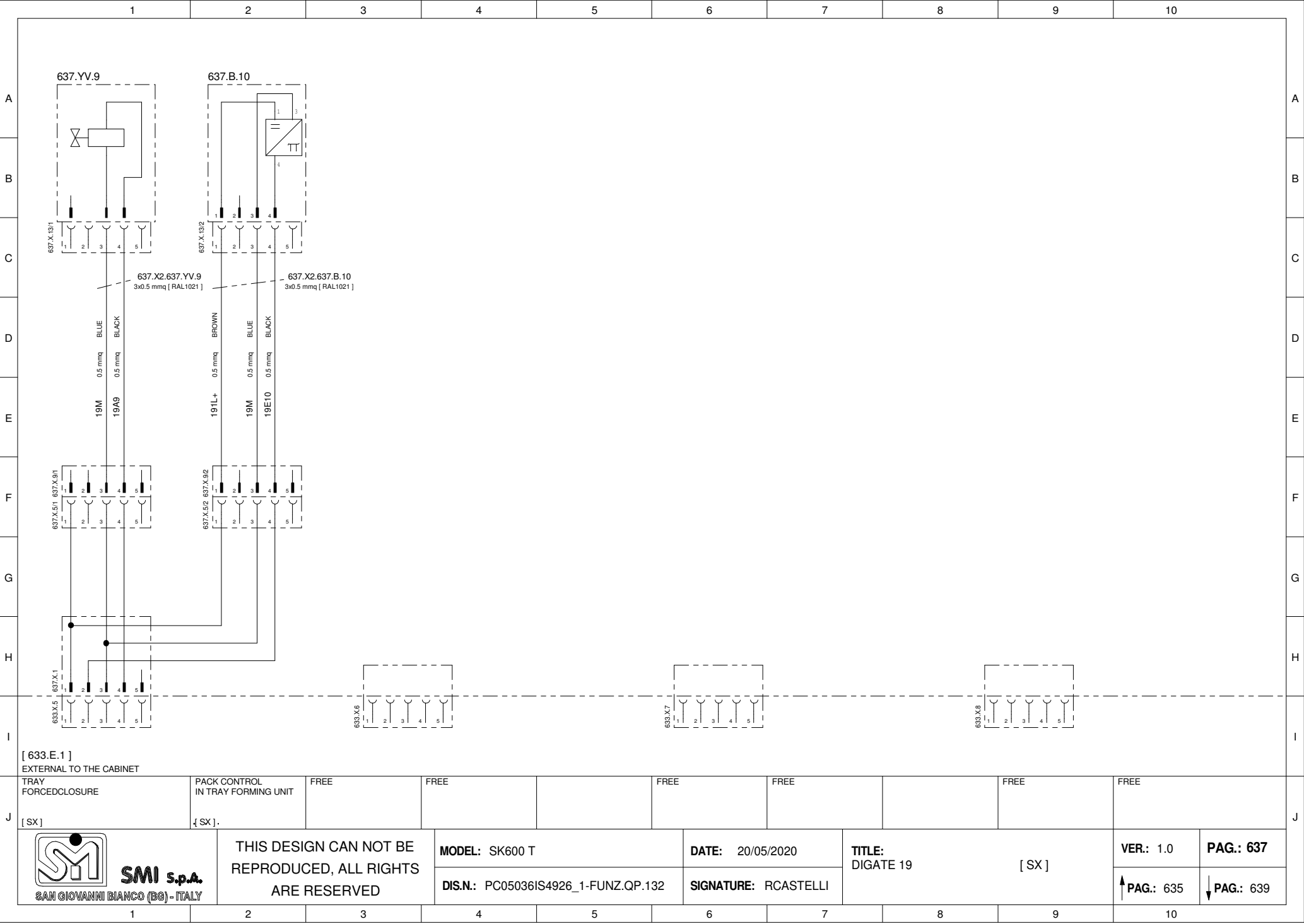


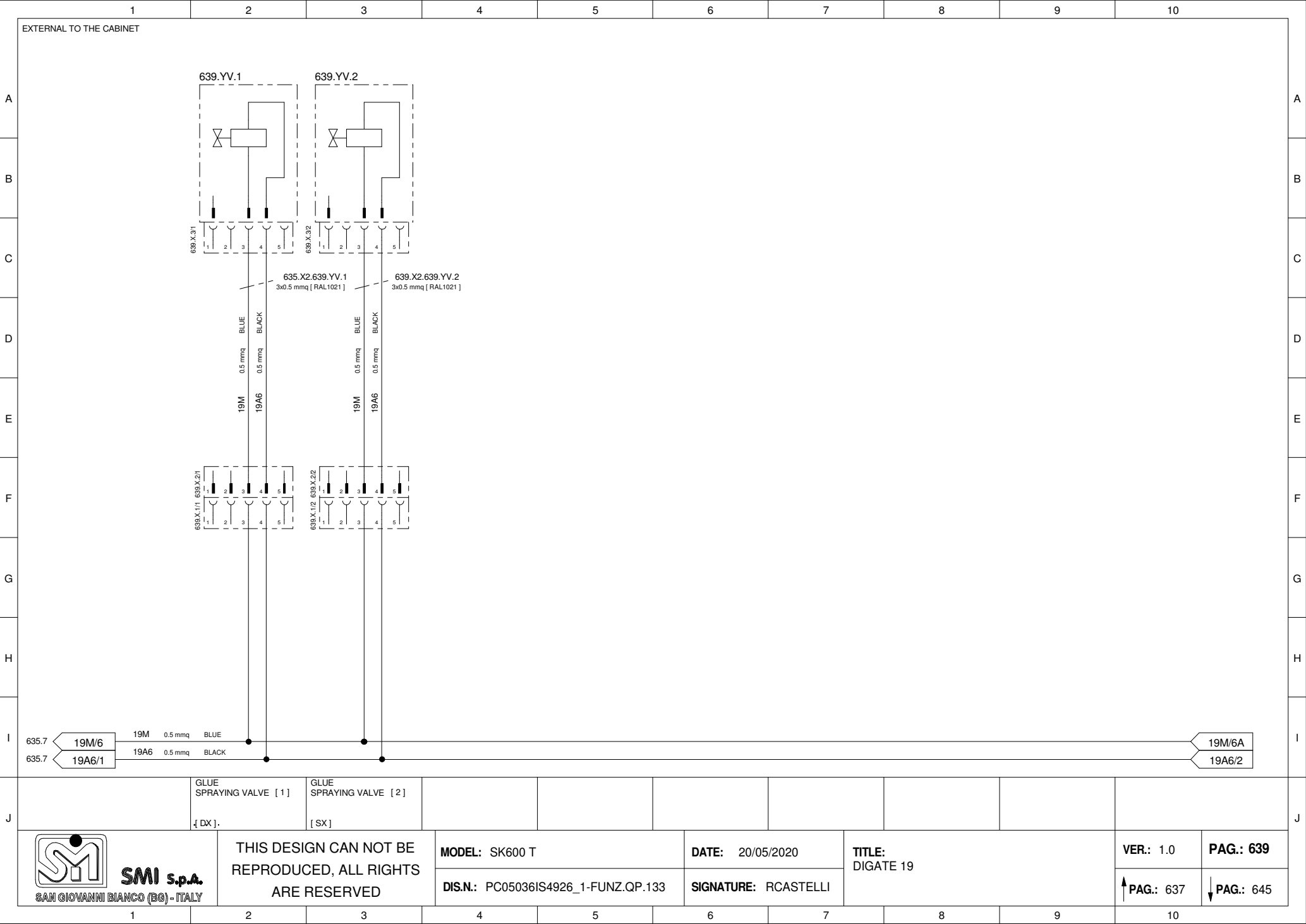


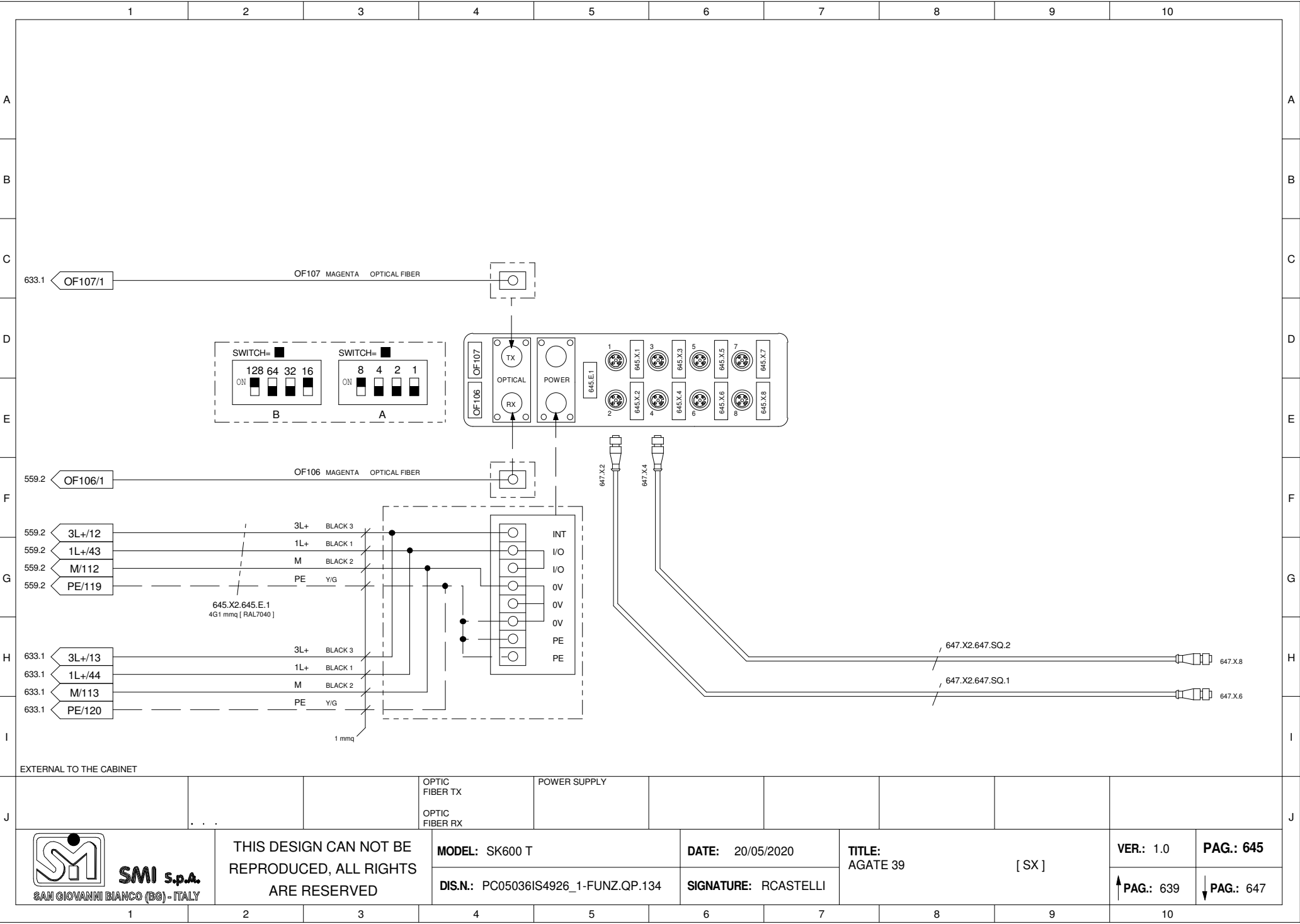






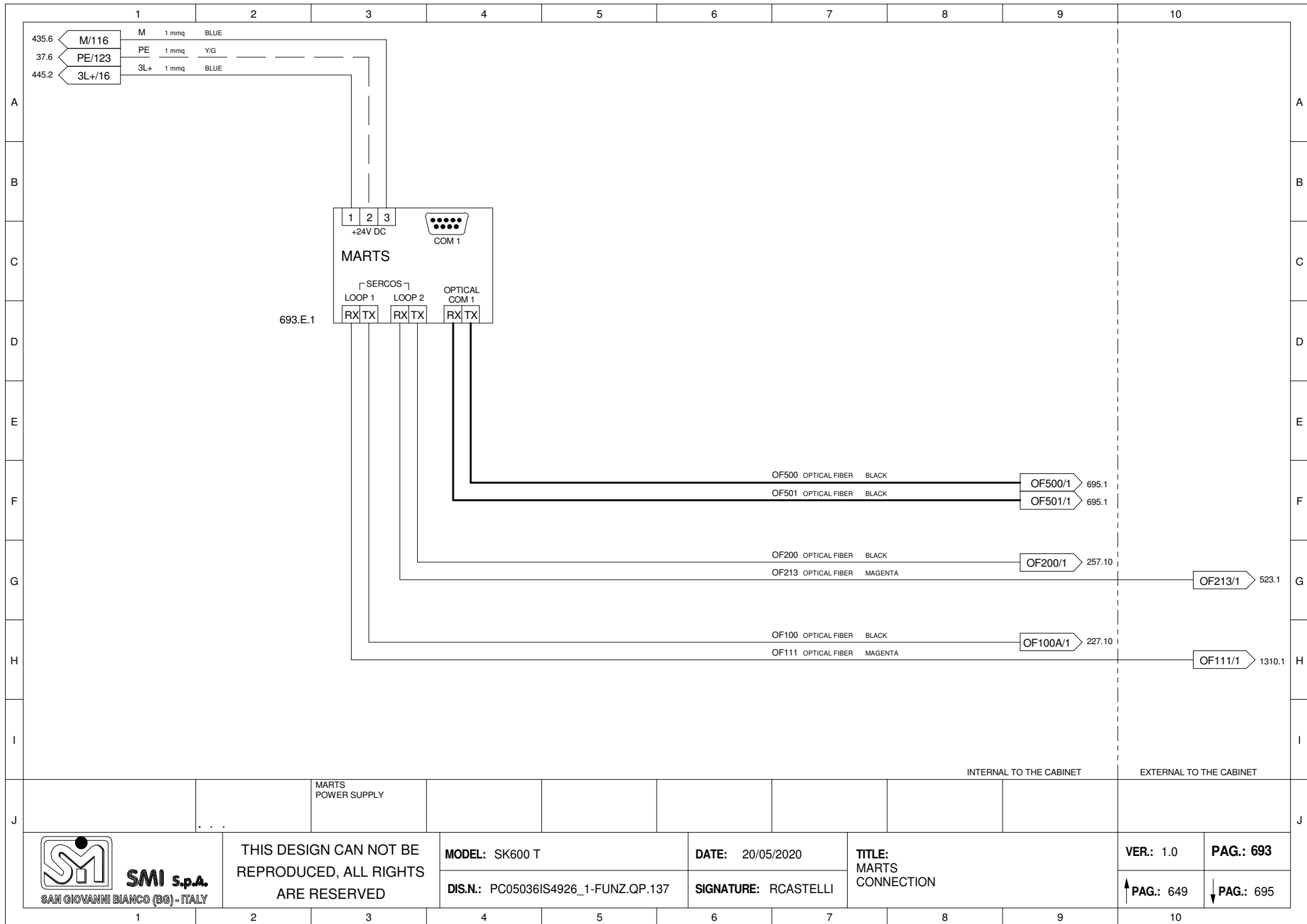








	1	2	3	4	5	6	7	8	9	10	
A											A
B											B
C											C
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I	<div><div><div>645.X.5</div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>645.X.6</div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>645.X.7</div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>645.X.8</div><div><div></div><div></div><div></div><div></div><div></div></div></div></div>										I
[ 645.E.1 ] EXTERNAL TO THE CABINET											
J											J
<div><div><div></div></div><div><div>SMI s.p.a.</div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: AGATE 39 [ SX ]		VER.: 1.0	PAG.: 649
				DIS.N.: PC05036IS4926_1-FUNZ.QP.136		SIGNATURE: RCASTELLI				↑ PAG.: 647	↓ PAG.: 693
	1	2	3	4	5	6	7	8	9	10	



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MODEL: SK600 T

DATE: 20/05/2020

TITLE:  
MARTS  
CONNECTION

VER.: 1.0

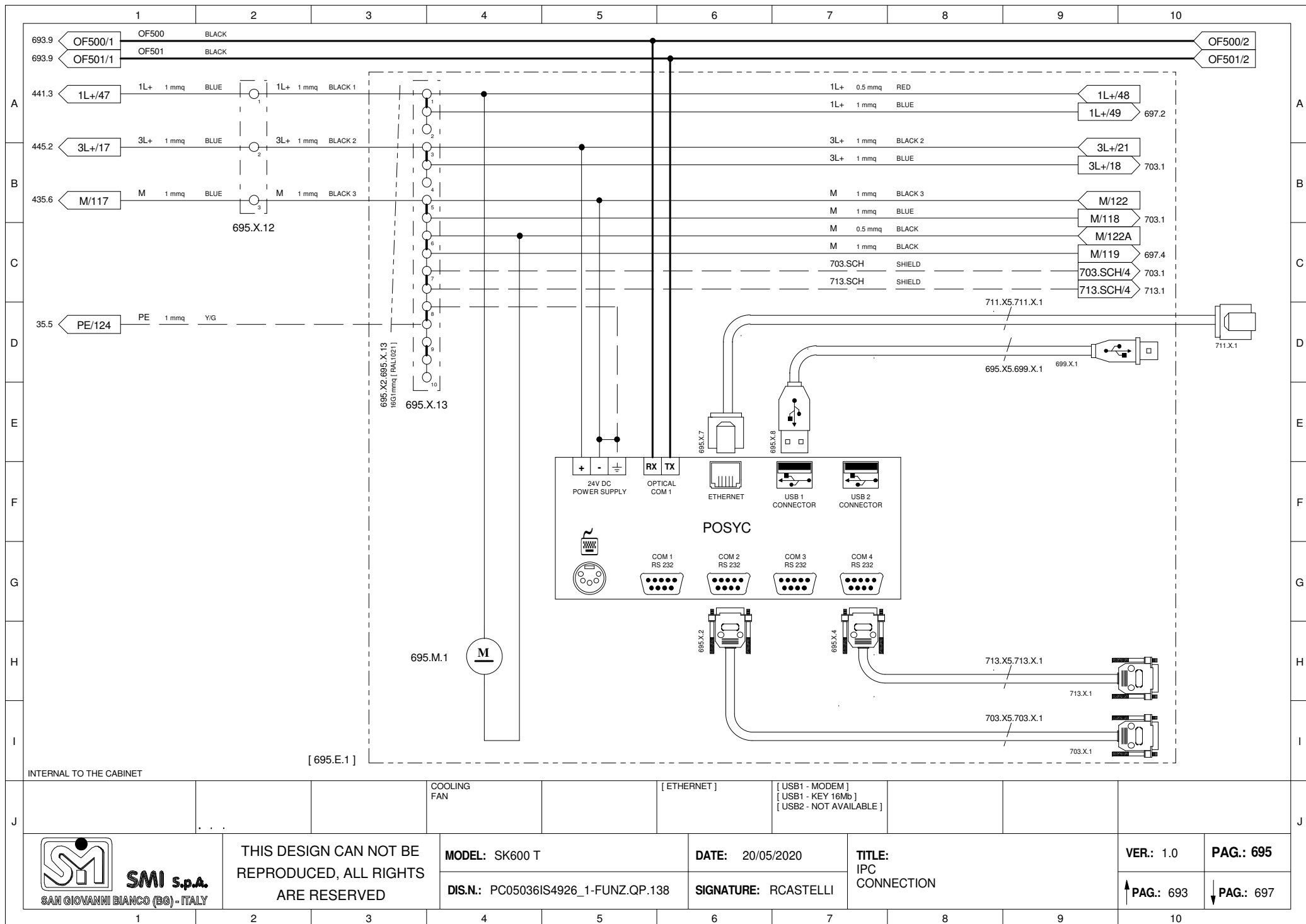
PAG.: 693

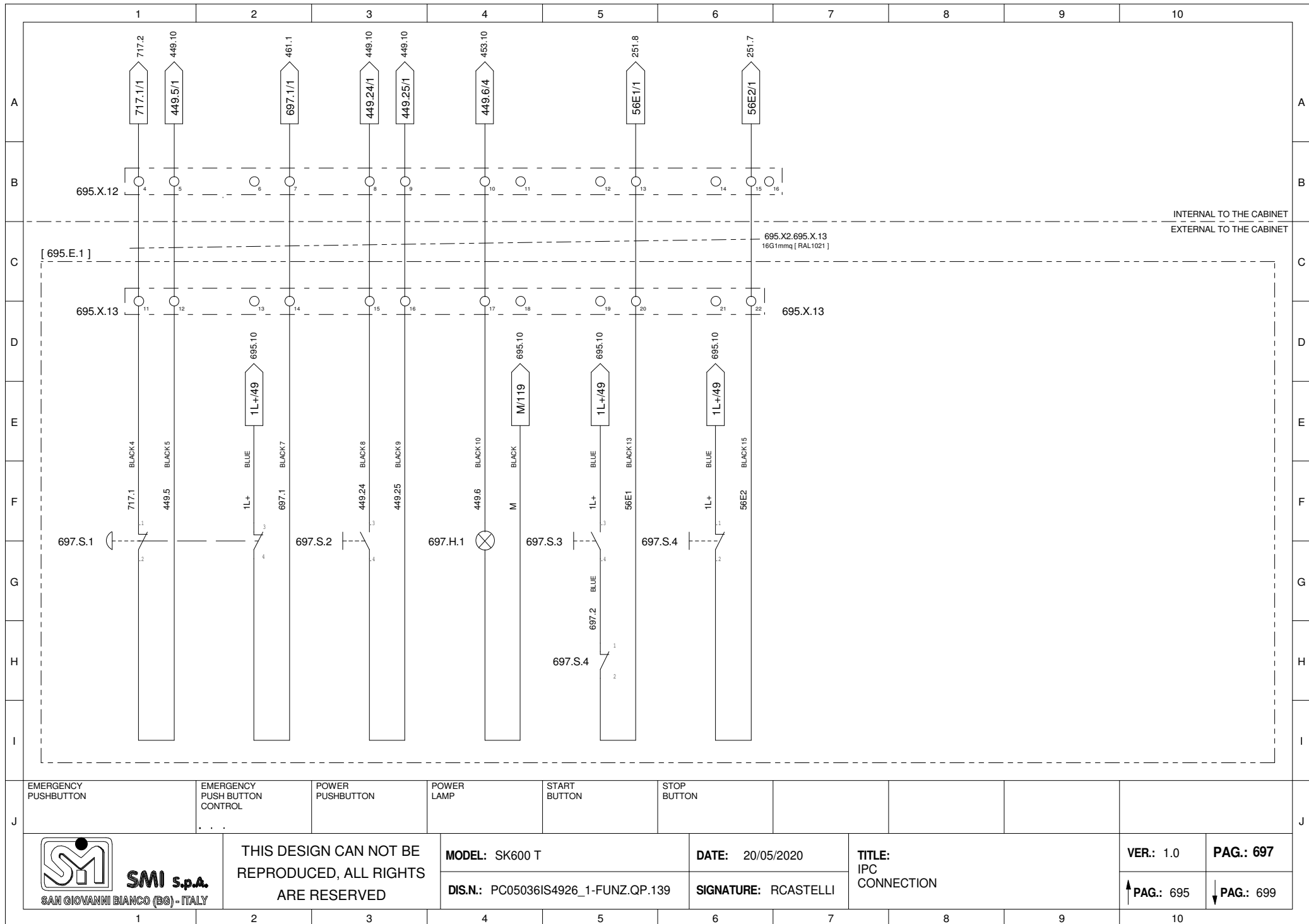
DIS.N.: PC05036IS4926\_1-FUNZ.QP.137

SIGNATURE: RCASTELLI

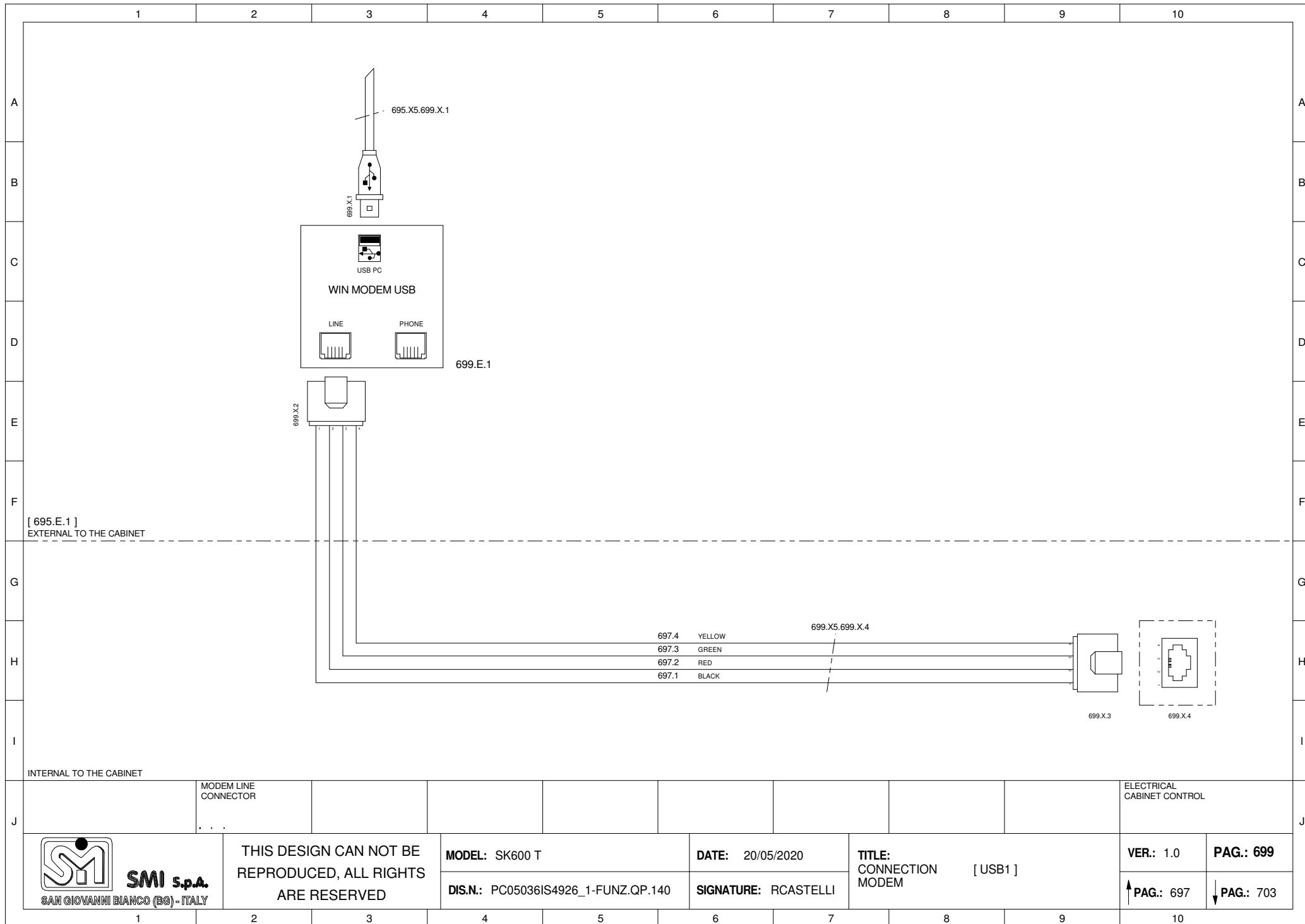
↑ PAG.: 649

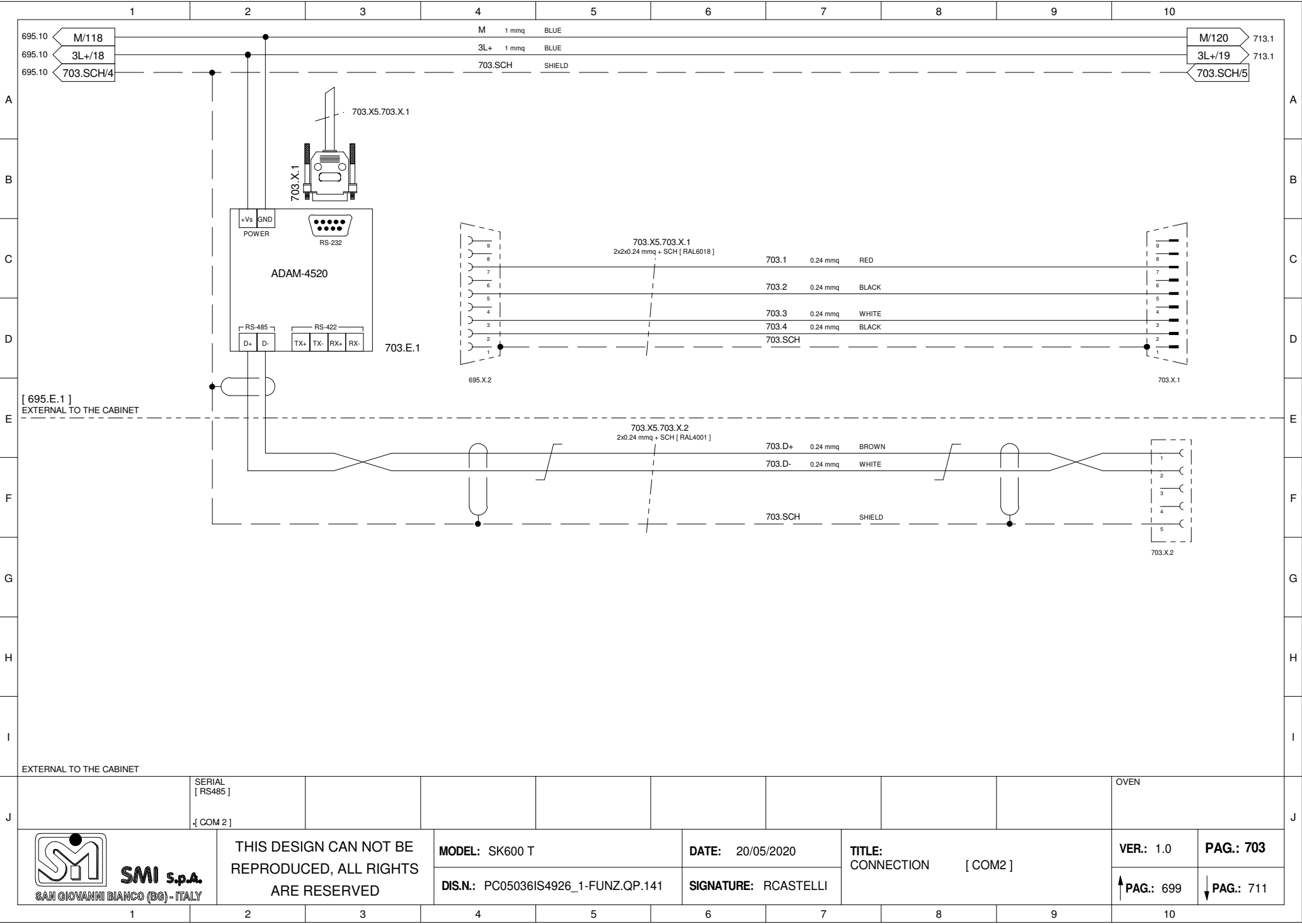
↓ PAG.: 695











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DIS.N.: PC05036IS4926\_1-FUNZ.QP.141

DATE: 20/05/2020

SIGNATURE: RCASTELLI

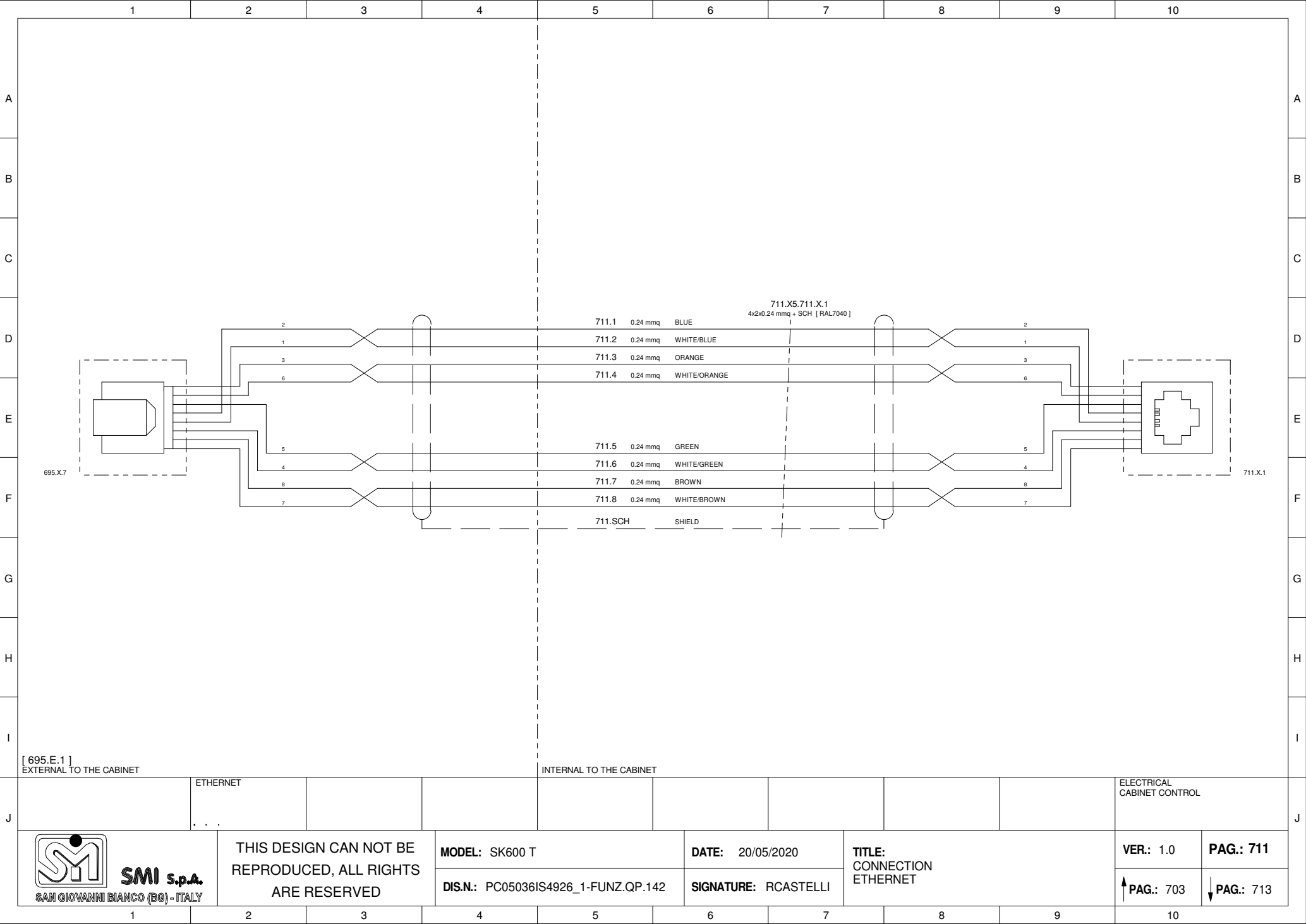
TITLE:  
CONNECTION [ COM2 ]

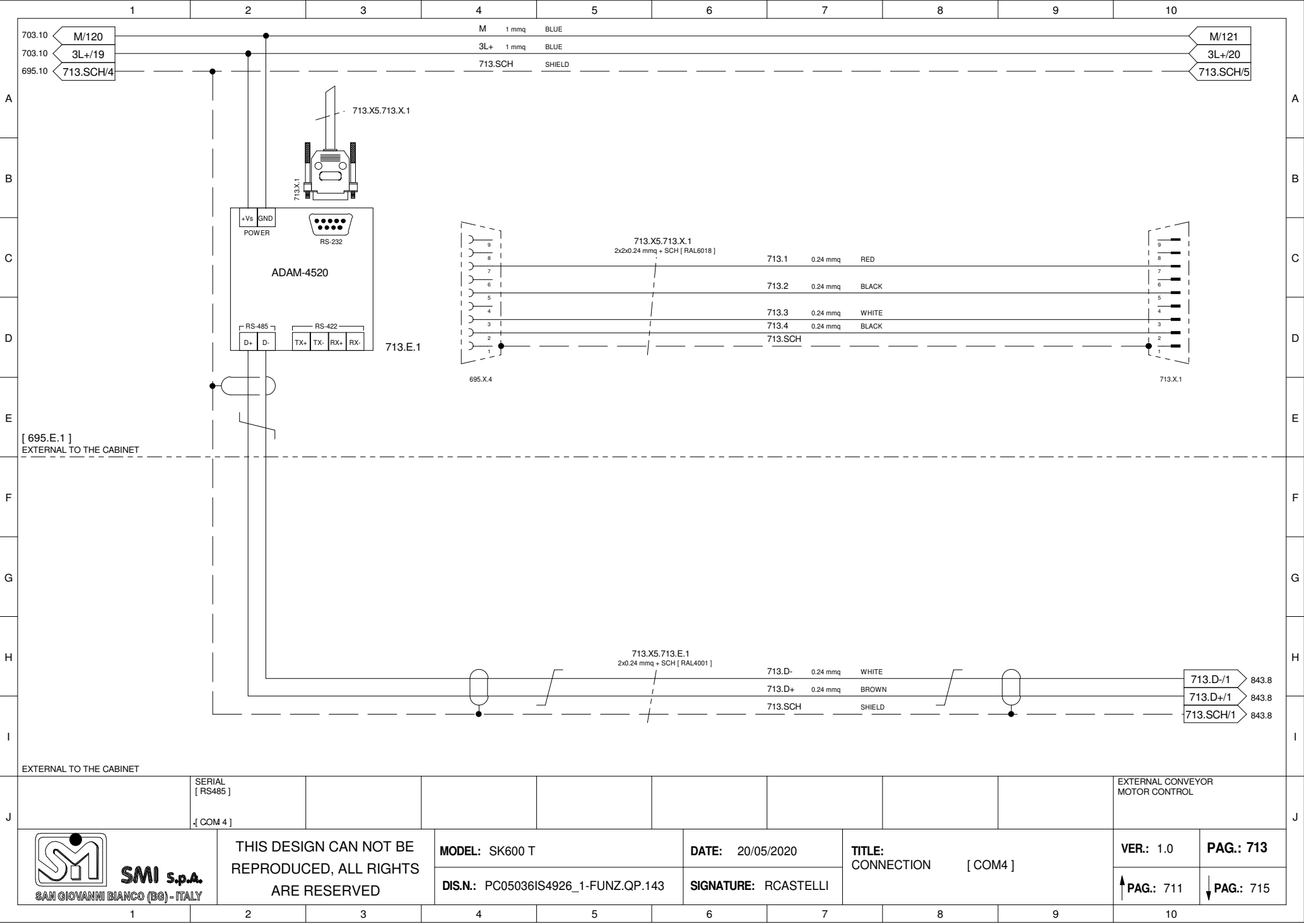
VER.: 1.0

PAG.: 703

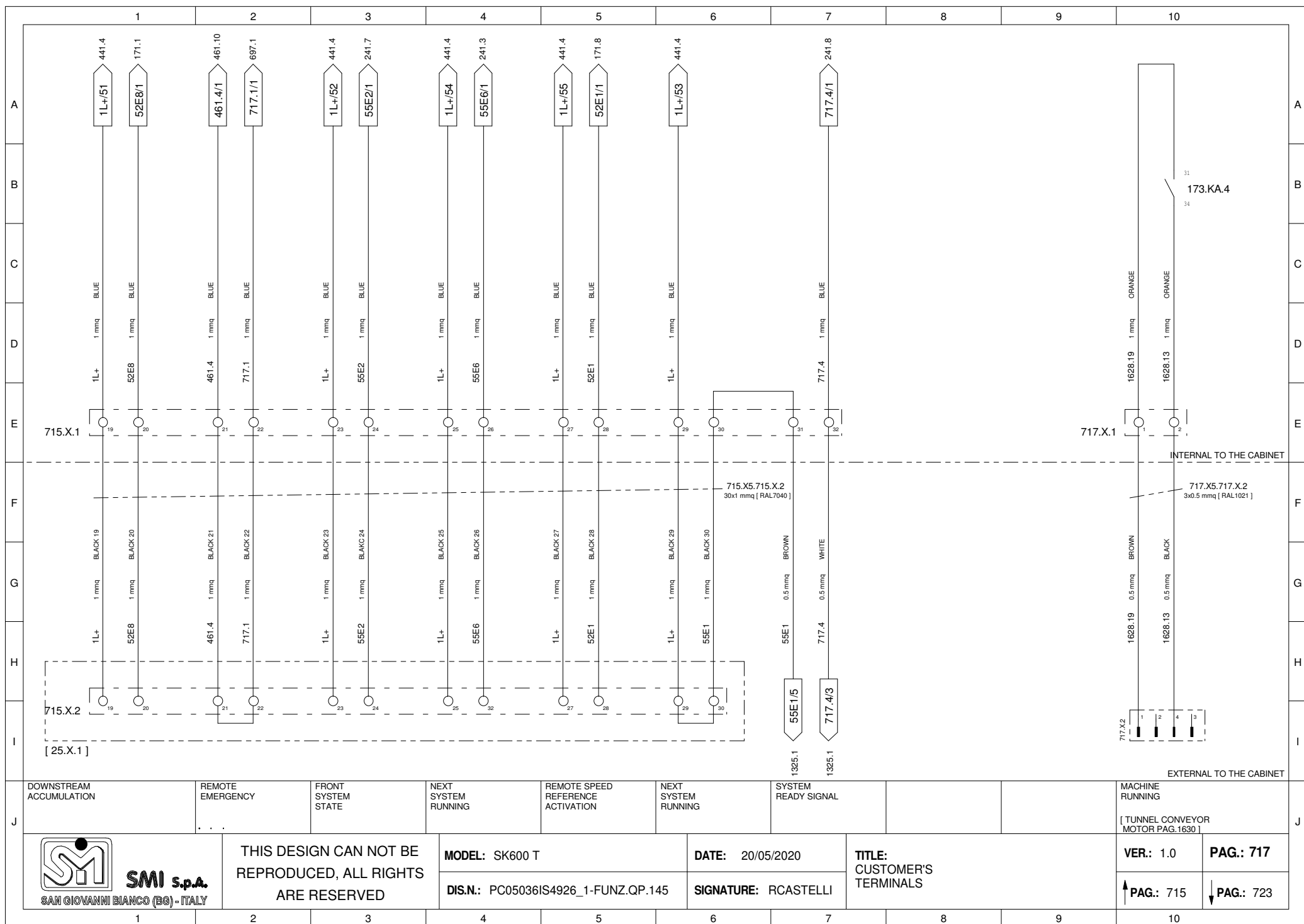
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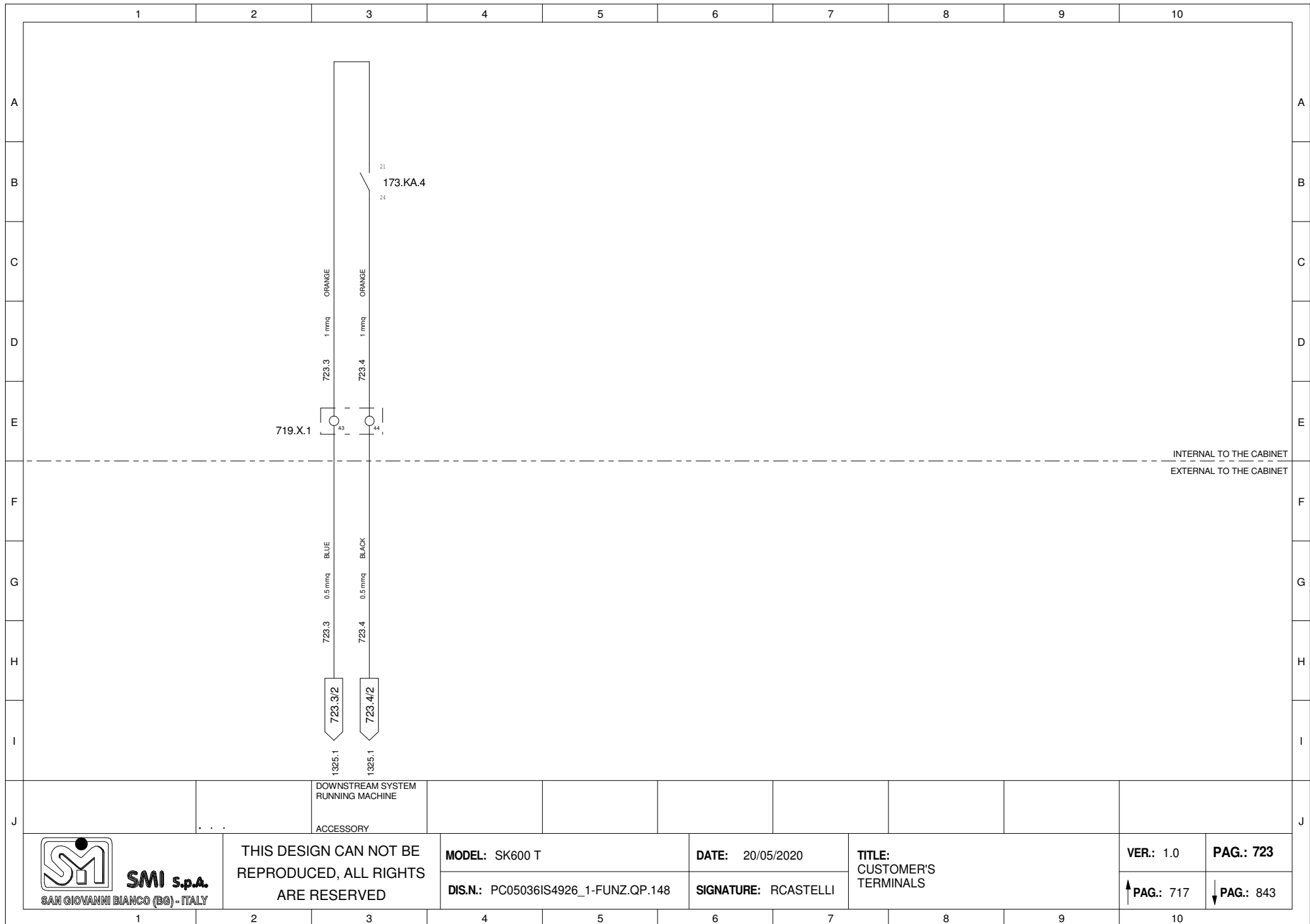
↓ PAG.: 711

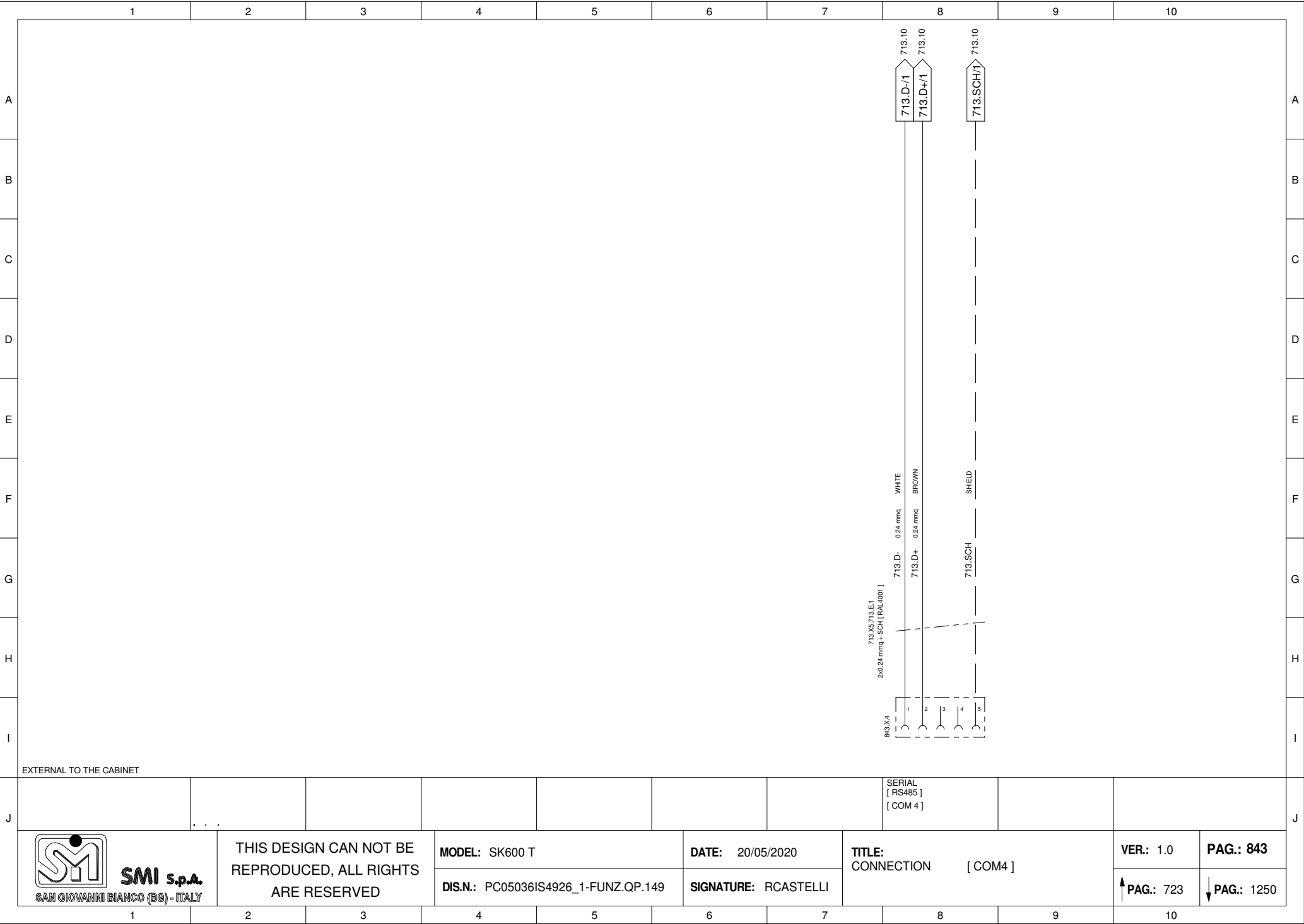




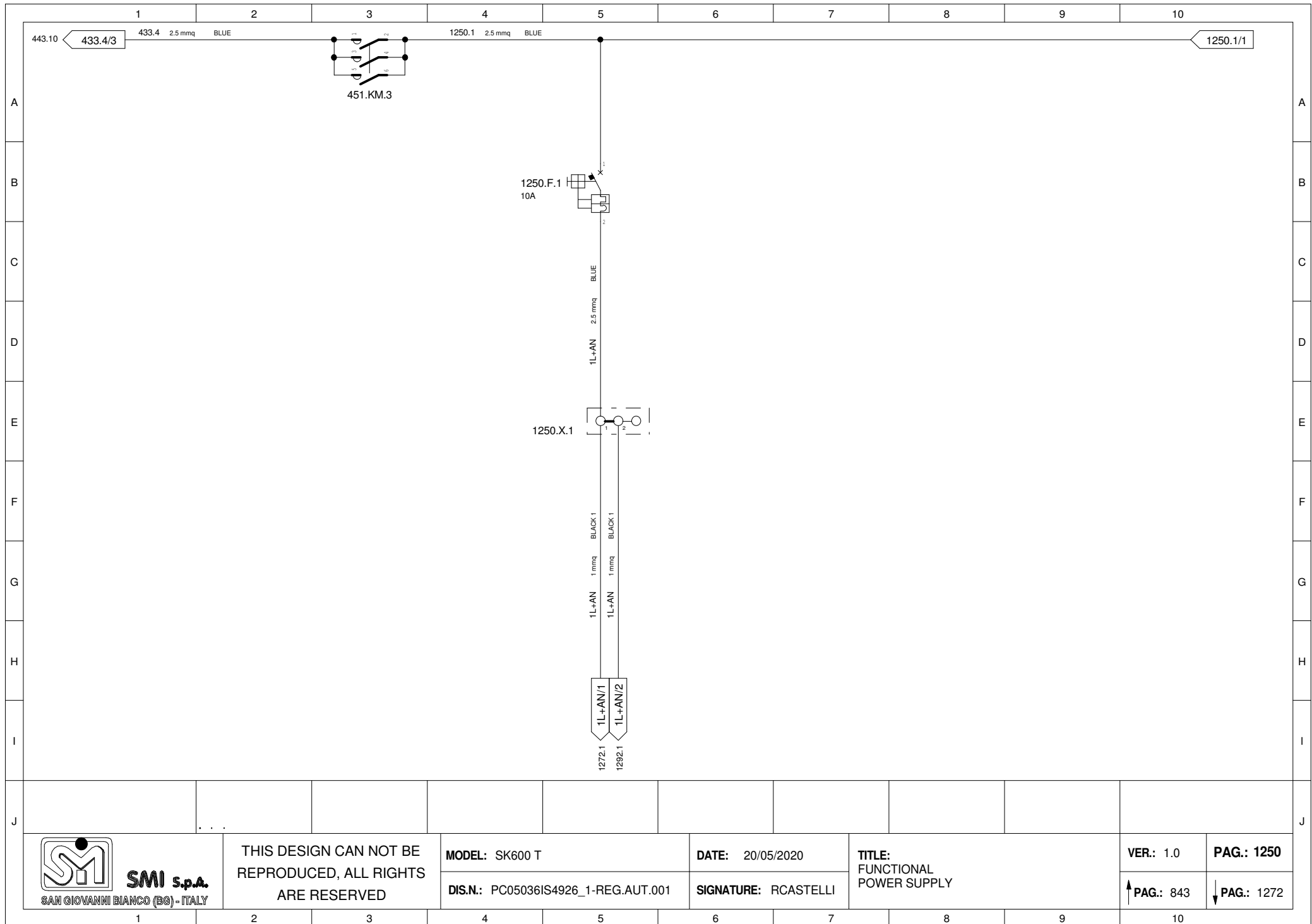












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SAN GIOVANNI BIANCO (BG) - ITALY

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**MODEL:** SK600 T

**DIS.N.:** PC05036IS4926\_1-REG.AUT.001

**DATE:** 20/05/2020

**SIGNATURE:** RCASTELLI

**TITLE:**  
FUNCTIONAL  
POWER SUPPLY

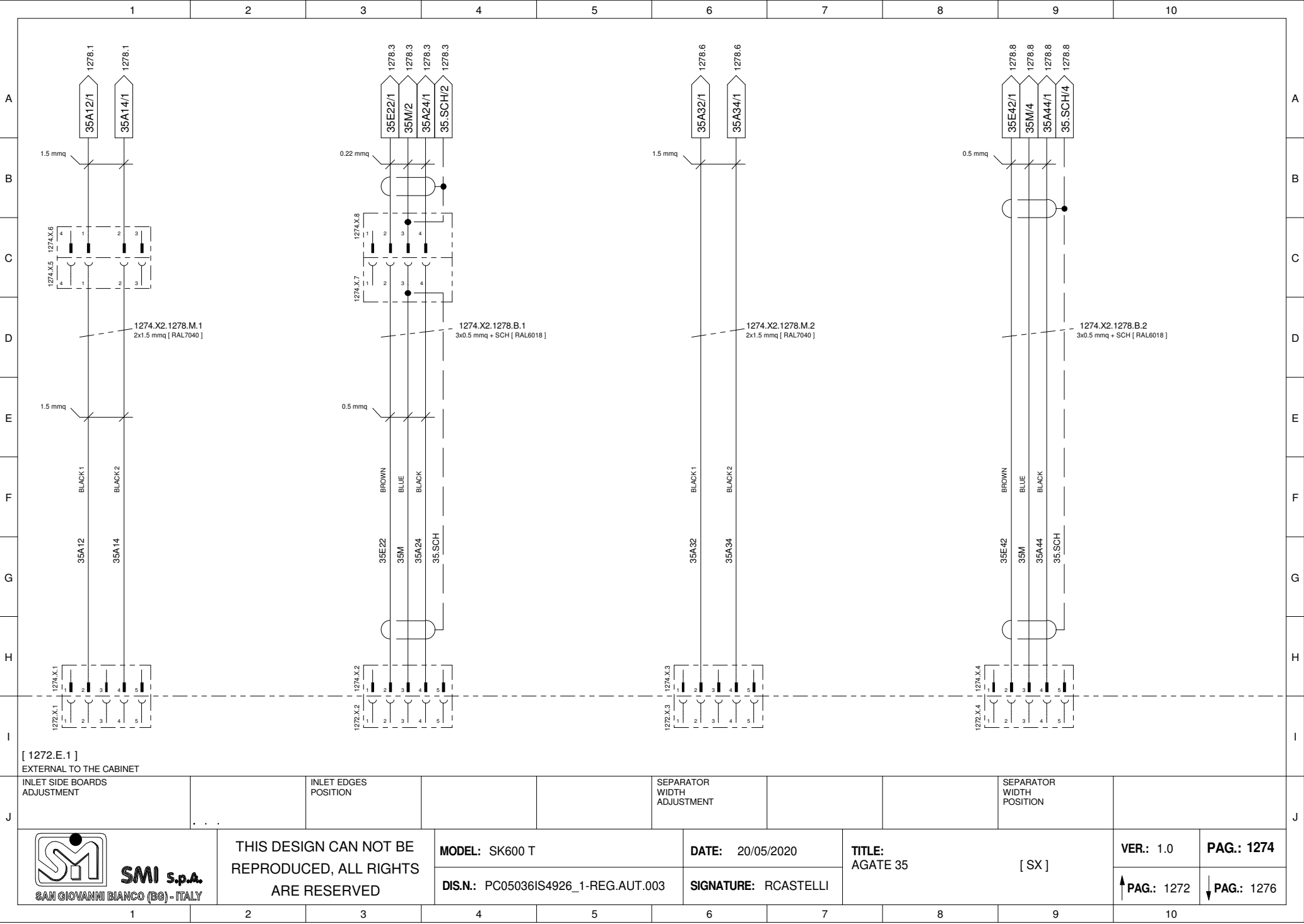
**VER.:** 1.0

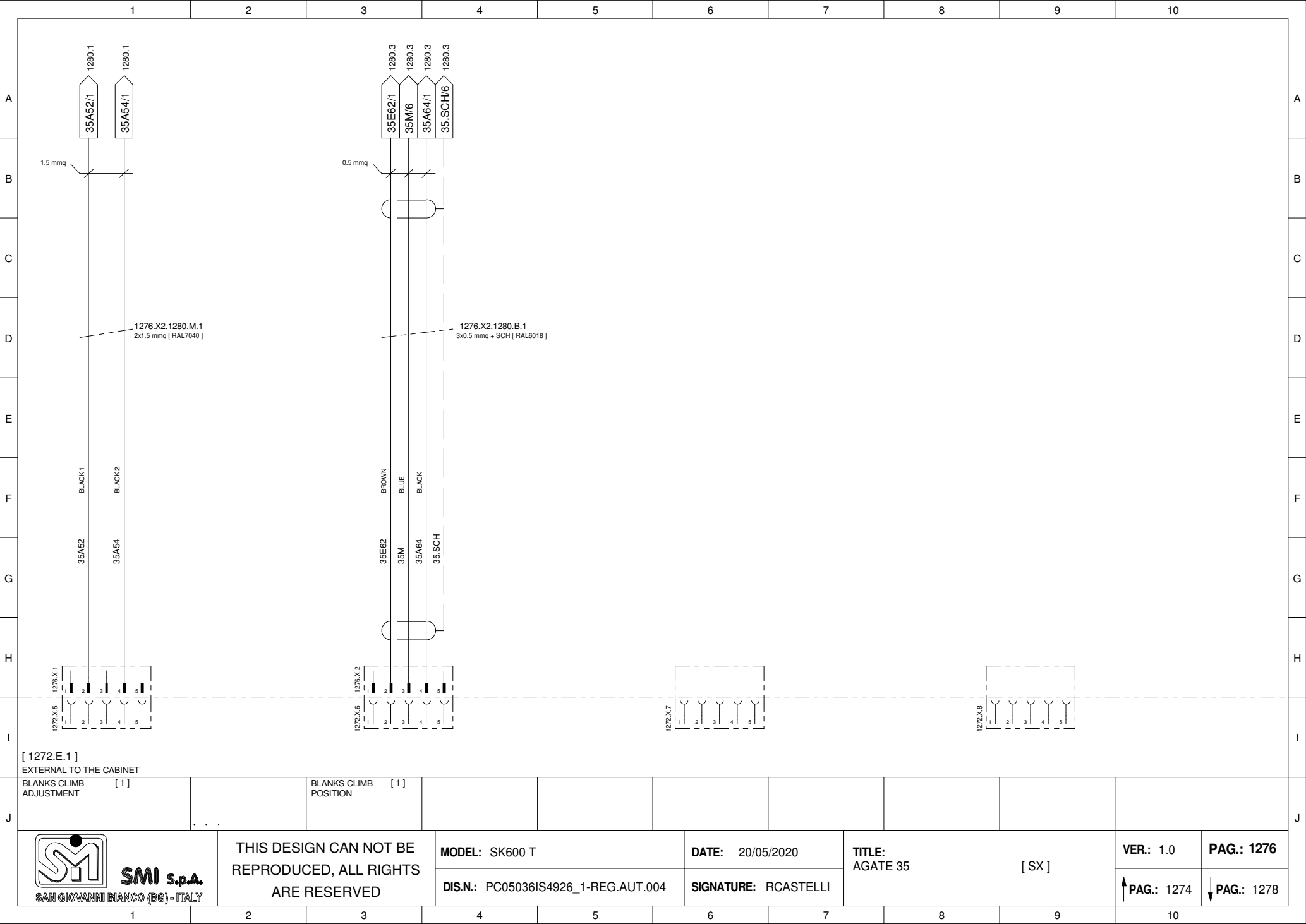
**↑ PAG.:** 843

**PAG.:** 1250

**↓ PAG.:** 1272

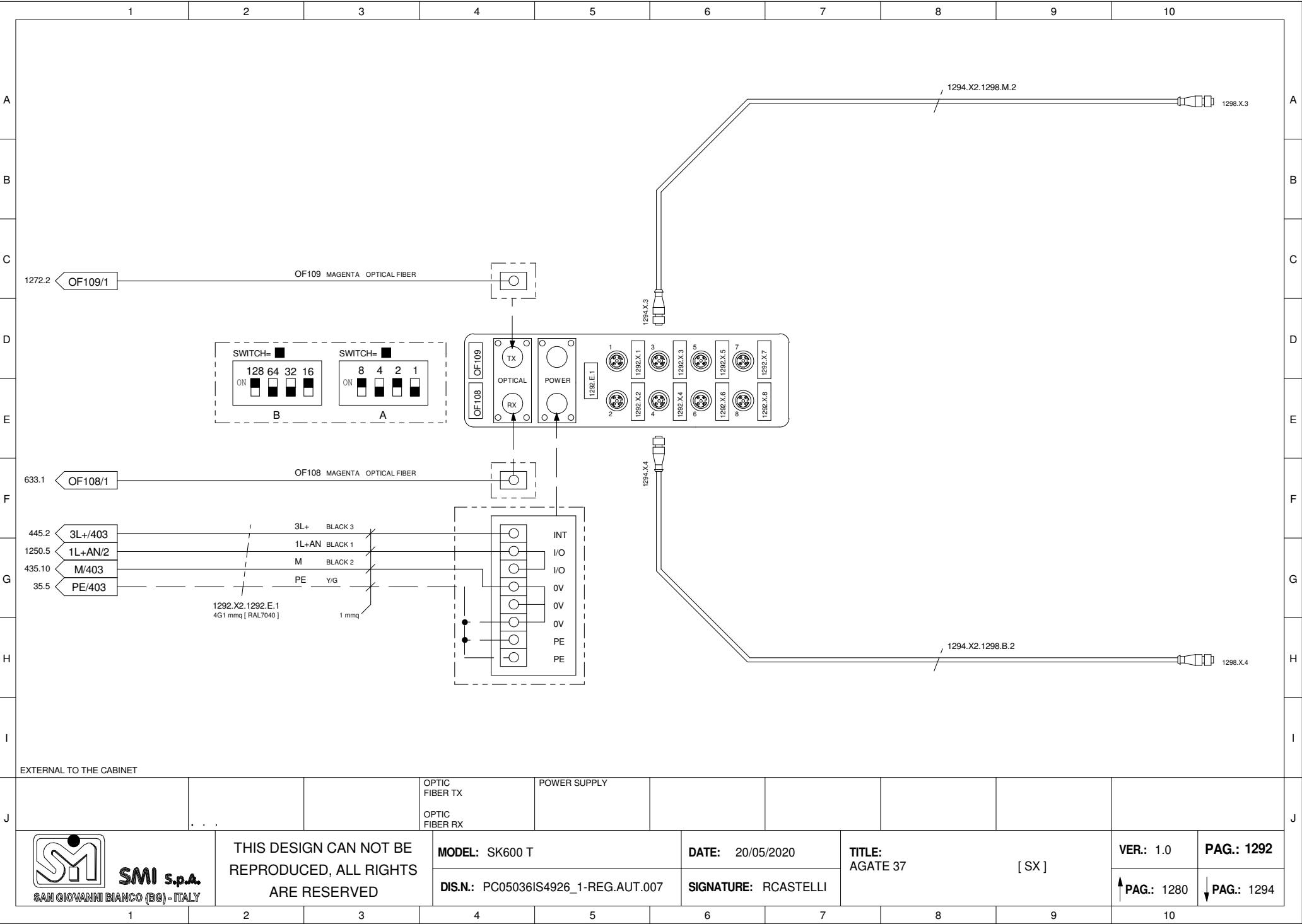


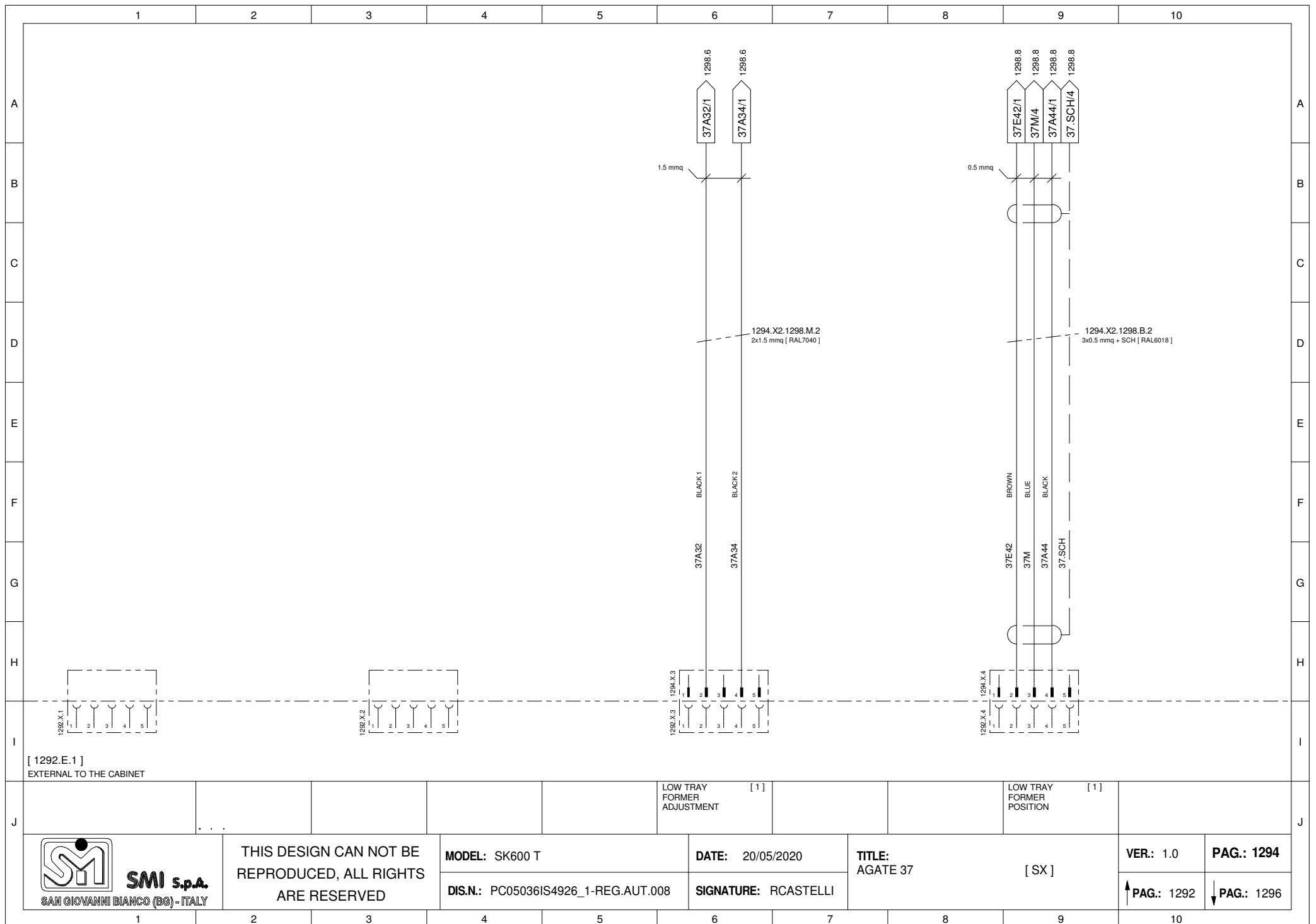











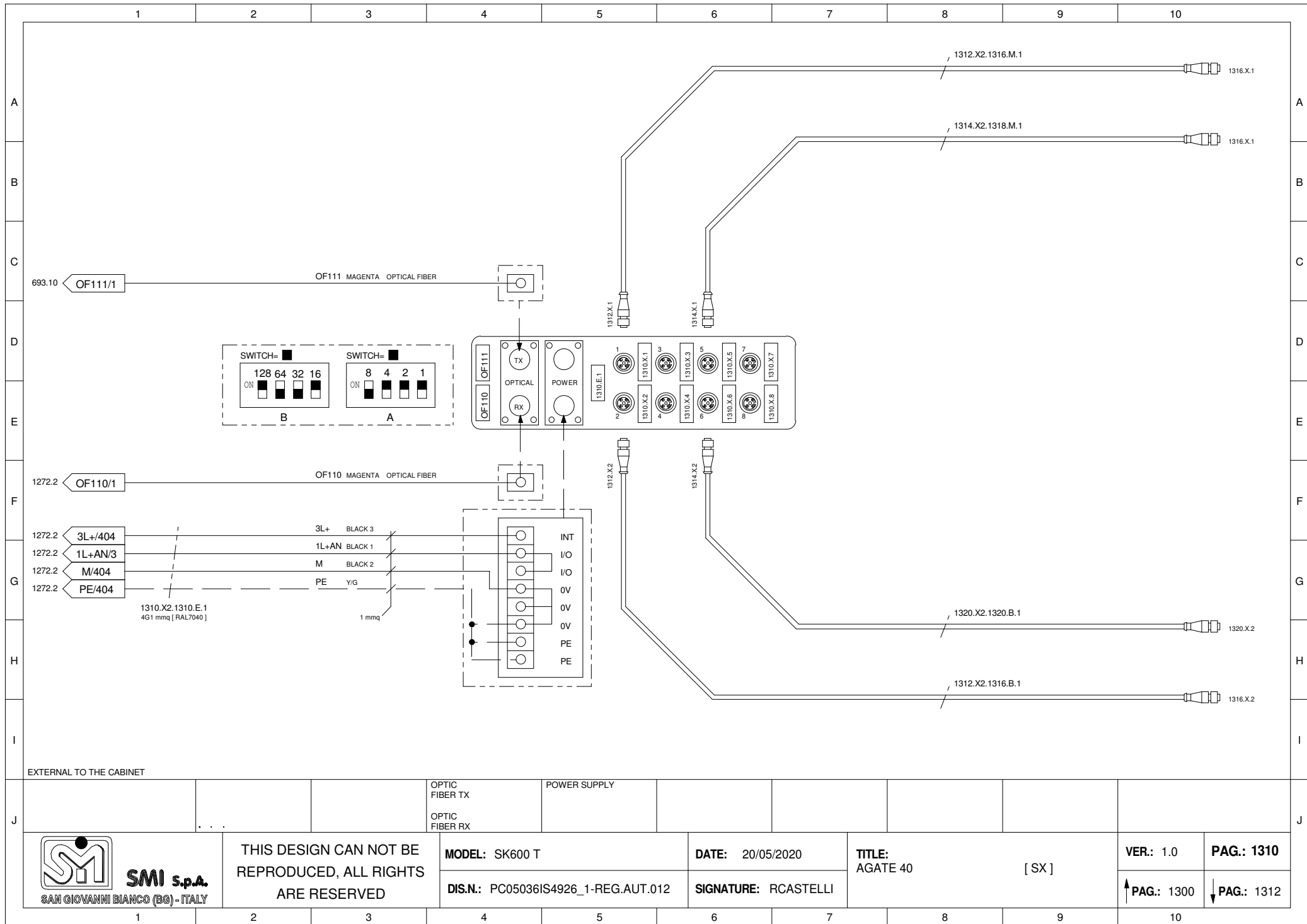




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A											A
B											B
C											C
D											D
E											E
F											F
G											G
H											H
I	<div><div><div>1292 X 5</div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>1292 X 6</div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>1292 X 7</div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div>1292 X 8</div><div><div></div><div></div><div></div><div></div><div></div></div></div></div> <div>[ 1292.E.1 ] EXTERNAL TO THE CABINET</div>										I
J	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>SMI S.p.A.</div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div></div><div>THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED</div><div><div>MODEL: SK600 T</div><div>DIS.N.: PC05036IS4926_1-REG.AUT.009</div></div><div><div>DATE: 20/05/2020</div><div>SIGNATURE: RCASTELLI</div></div><div><div>TITLE: AGATE 37</div><div>[ SX ]</div></div><div><div>VER.: 1.0</div><div>↑ PAG.: 1294</div></div><div><div>PAG.: 1296</div><div>↓ PAG.: 1298</div></div></div>										J
	1	2	3	4	5	6	7	8	9	10	



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B											B
C											C
D											D
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J	EXTERNAL TO THE CABINET										J
<div><div>SMI s.p.a. SAN GIOVANNI BIANCO (BG) - ITALY</div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: SK600 T		DATE: 20/05/2020		TITLE: AGATE 37 [ SX ]		VER.: 1.0	PAG.: 1300
				DIS.N.: PC05036IS4926_1-REG.AUT.011		SIGNATURE: RCASTELLI				↑ PAG.: 1298	↓ PAG.: 1310
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**MODEL:** SK600 T

**DIS.N.:** PC05036IS4926\_1-REG.AUT.012

**DATE:** 20/05/2020

**SIGNATURE:** RCASTELLI

**TITLE:**  
AGATE 40

[SX]

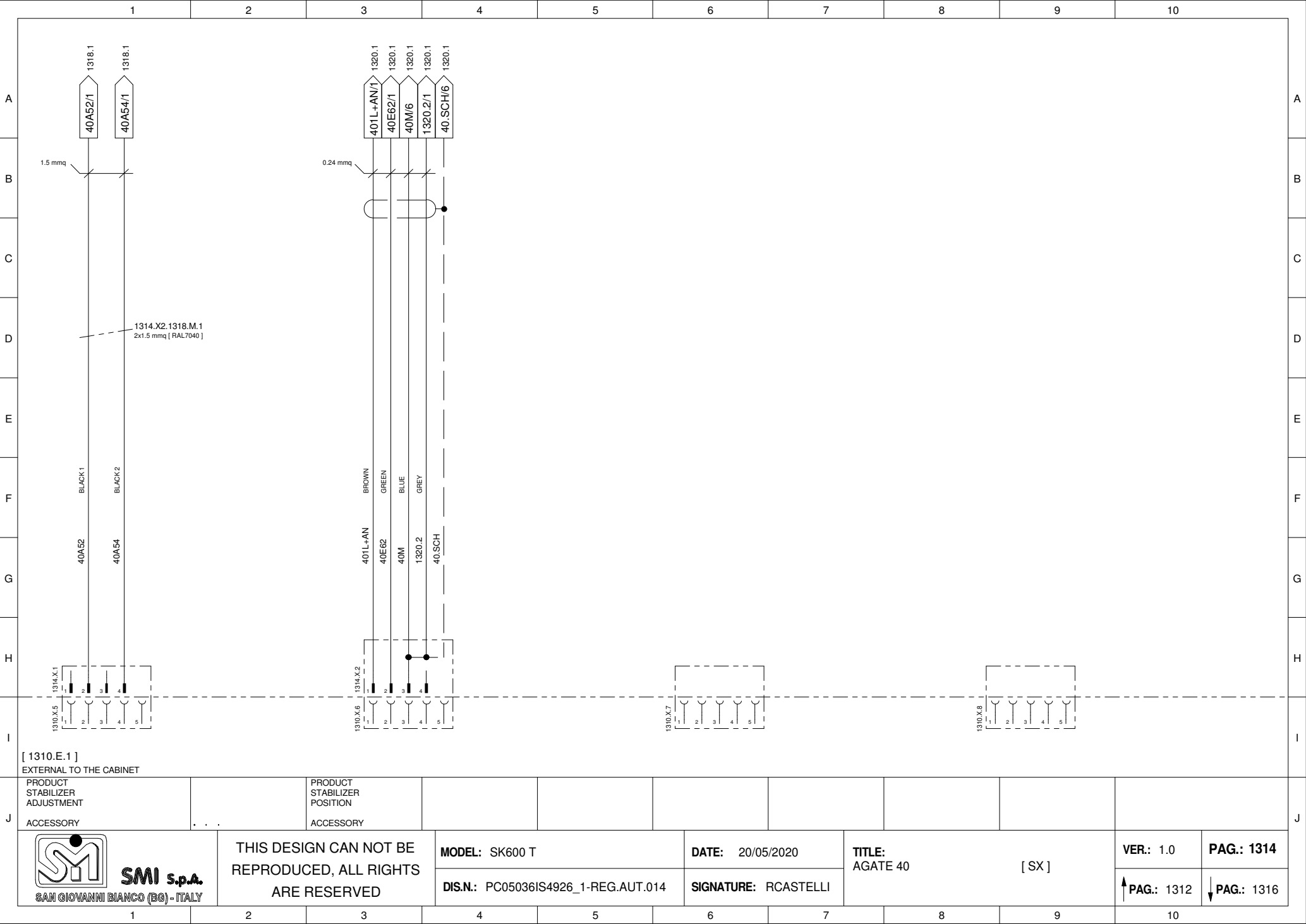
**VER.:** 1.0

**PAG.:** 1310

↑ **PAG.:** 1300

↓ **PAG.:** 1312

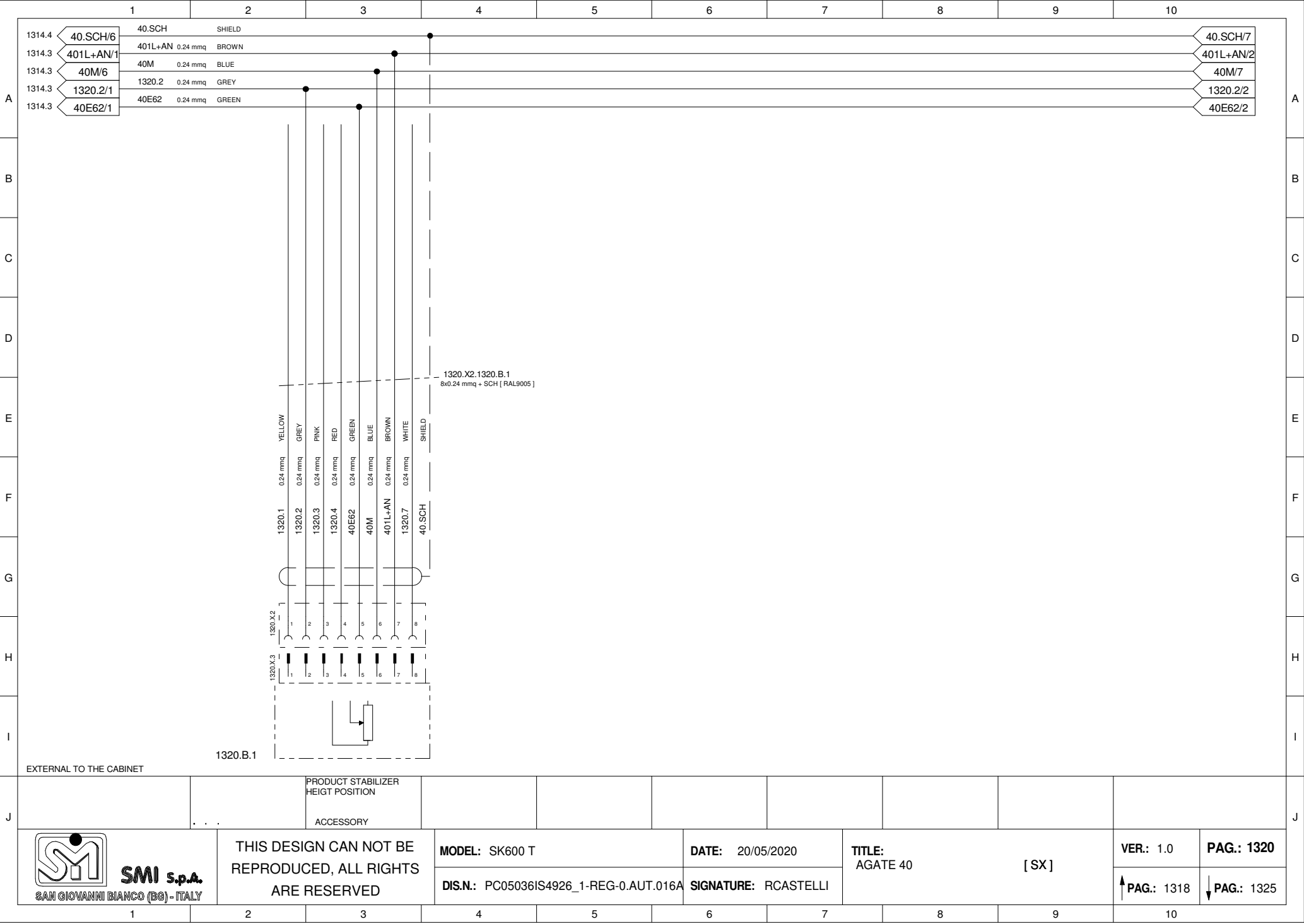


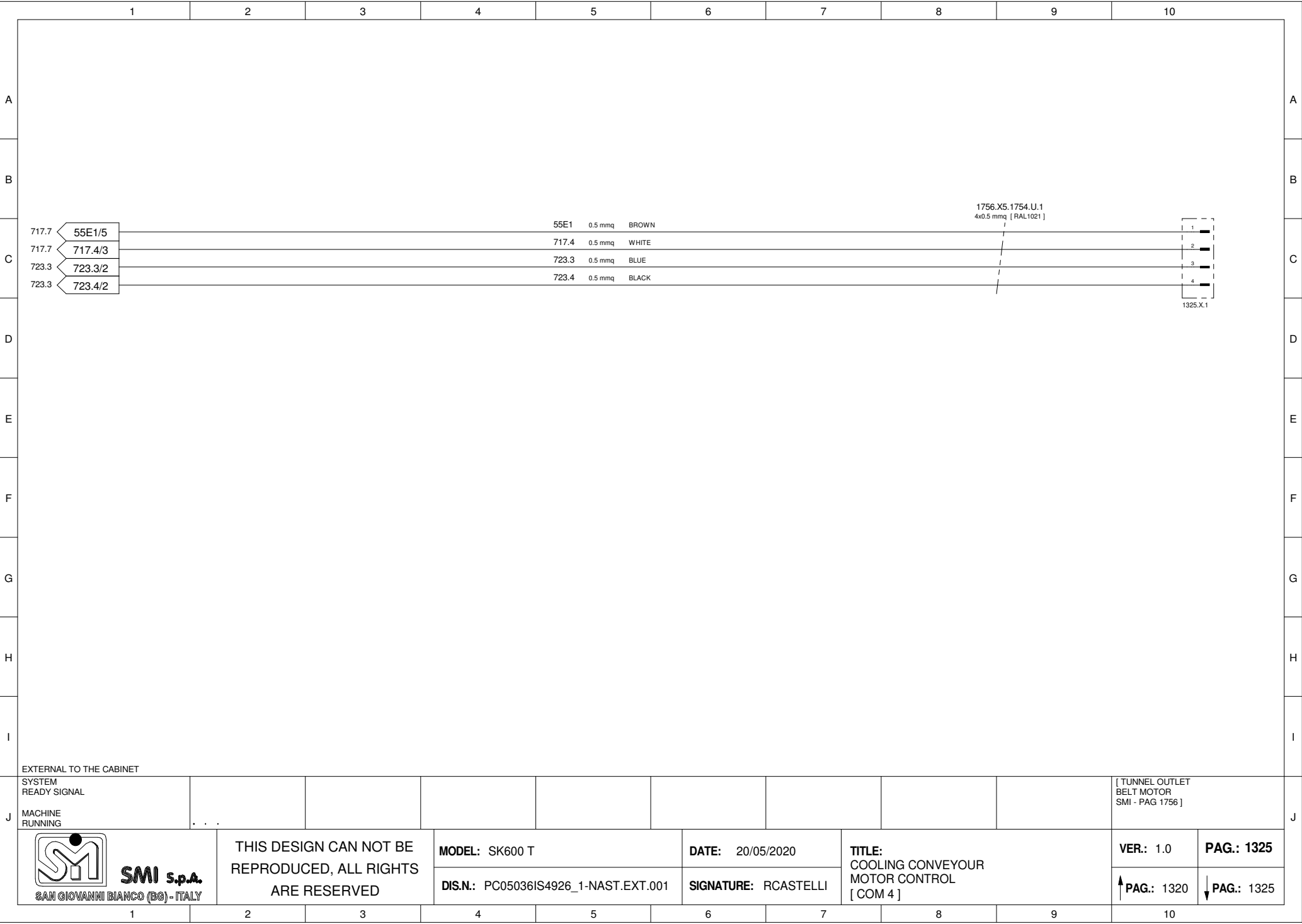












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B											
C											
D											
E	<div>NORMATIVE REFERENCES</div> <div><div>CEI EN 60439 - 1</div><div>PROTECTIVE ANDSWITCHING DEVICES ASSEMBLIES FOR LOW TENSION</div></div> <div><div>CEI EN 60204 - 1</div><div>ELECTRICAL EQUIPMENT OF THE MACHINES</div></div>										
F											
G	<div>CONVENTIONAL REFERENCES USED</div> <div>CABLES INITIALING</div> <div><div>X1</div><div>400V</div></div> <div><div>X2</div><div>24V</div></div> <div><div>X3</div><div>48V</div></div> <div><div>X4</div><div>220V</div></div> <div><div>X5</div><div>SIGNAL EXCHANGE CABLE</div></div>										
H											
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<div><div><div><div></div></div><div>SAN GIOVANNI BIANCO (BG) - ITALY</div></div><div>SMI s.p.a.</div></div>		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: ST4000		DATE: 15/01/2018		TITLE: GENERAL NOTES		VER.: 1.0	PAG.: 1500
				DIS.N.: PC05036IS4926_2-NOTE GEN.001		SIGNATURE: RCASTELLI				↑ PAG.: 1500	↓ PAG.: 1502
	1	2	3	4	5	6	7	8	9	10	

### NORMATIVE REFERENCES

CEI EN 60439 - 1

PROTECTIVE ANDSWITCHING DEVICES ASSEMBLIES FOR LOW TENSION

CEI EN 60204 - 1

ELECTRICAL EQUIPMENT OF THE MACHINES

### CONVENTIONAL REFERENCES USED

CABLES INITIALING

X1

400V

X2

24V

X3

48V

X4

220V

X5

SIGNAL EXCHANGE CABLE

### CONVENTIONAL REFERENCES USED

COMPONENTS INITIALING

B

CONVERTERS

C

CONDENSERS

E

OTHERS

F

PROTECTIVE DEVICES

G

GENERATORS

H

SIGNAL DEVICE

K

RELAY - CONTACTORS

L

INDUCTORS

M

MOTORS

N

AMPLIFIERS

R

HEATING ELEMENTS

S

SWITCHES - SELECTORS

T

TRANSFORMERS

U

MODULATORS

X

TERMINALS

Y

ELECTROMECHANICAL COMPONENTS

## CABLES NOMENCLATURE

A. X2 . B  
CABLE DESTINATION REFERENCE  
CABLES INITIATING REFERENCE  
PAGE NUMBER

ES.

18. X2 . 18.B.1  
CABLE DESTINATION REFERENCE  
CABLES INITIATING REFERENCE  
PAGE NUMBER

## COMPONENTS NOMENCLATURES

X. Y . Z  
PROGRESSIVE NUMERATION 1 ÷ +∞  
COMPONENTS INITIATING REFERENCE  
PAGE NUMBER

ES.

18. M . 10  
PROGRESSIVE NUMERATION 1 ÷ +∞  
COMPONENTS INITIATING REFERENCE  
PAGE NUMBER

## CONDUCTORS NOMENCLATURE

-1L1, 1L2, 1L3 → POWER

- 1L+ → +24V DC

- M → 0V DC

- 3L+ → +24V DC BACKUP

Y . Z

PROGRESSIVE NUMERATION 1 ÷ +∞  
PAGE NUMBER

ES.

18 . 10  
PROGRESSIVE NUMERATION 1 ÷ +∞  
PAGE NUMBER



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**MODEL:** ST4000

**DIS.N.:** PC05036IS4926\_2-NOTE GEN.002

**DATE:** 15/01/2018

**SIGNATURE:** RCASTELLI


































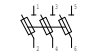

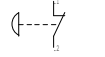
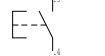

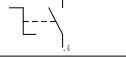




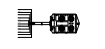





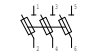

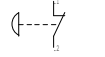
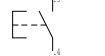

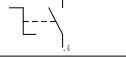




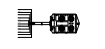




















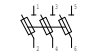

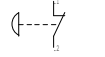
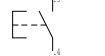

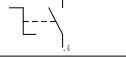




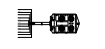



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








**VER.:** 1.0

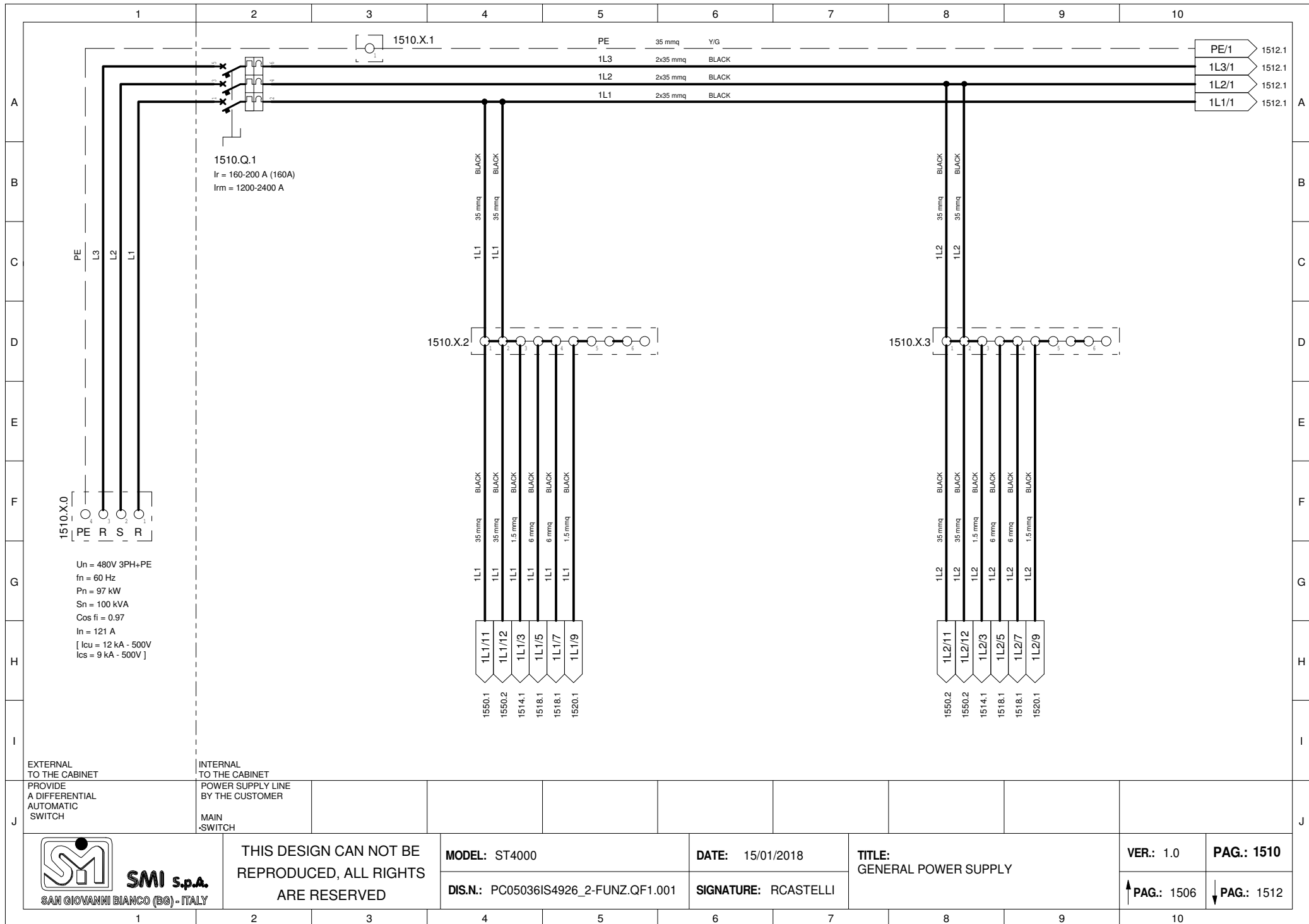
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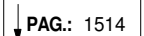
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↓ **PAG.:** 1504

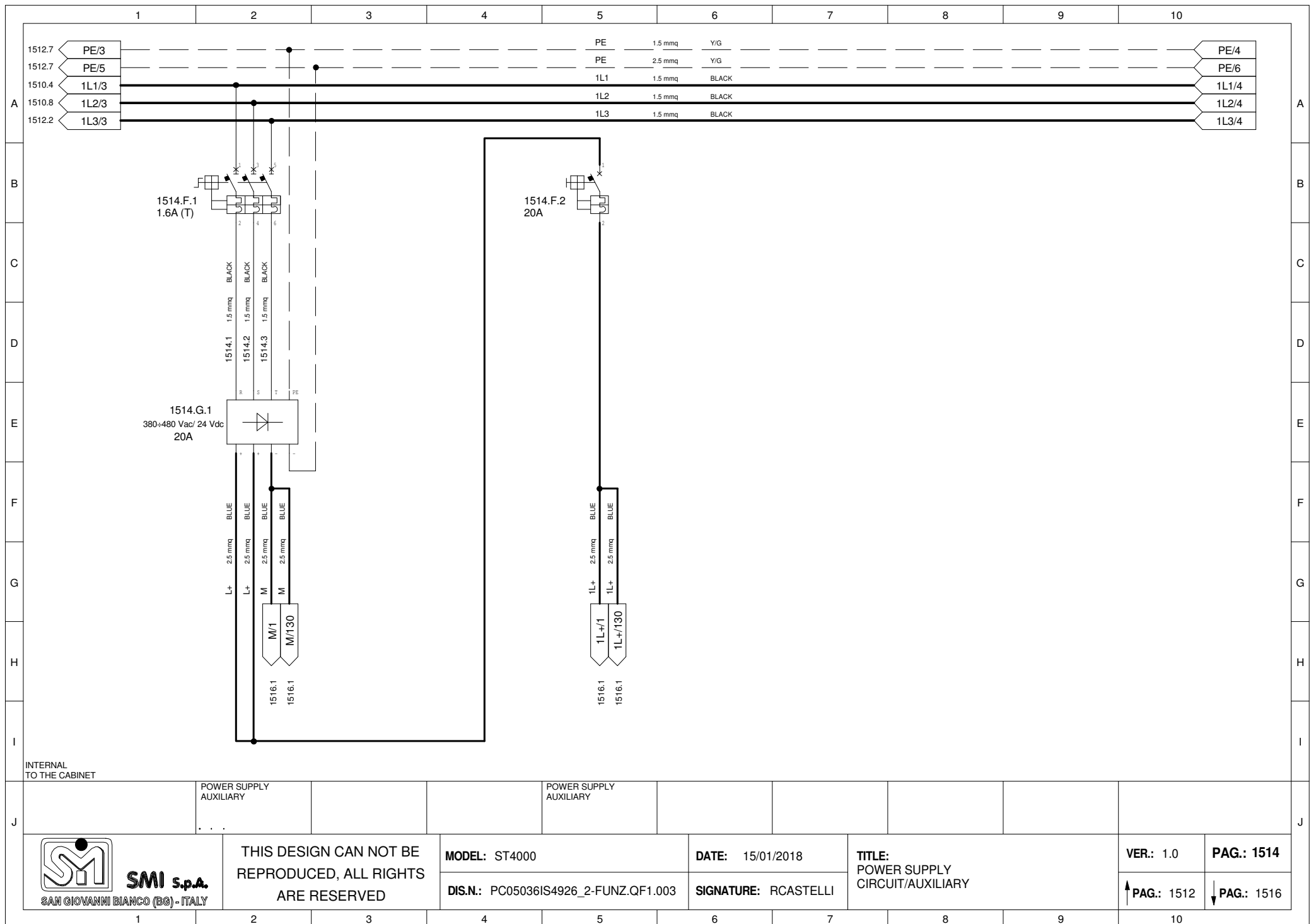
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A	<table><tr><td></td><td>PLUG</td></tr><tr><td></td><td>RESISTOR</td></tr><tr><td></td><td>CONDENSER</td></tr><tr><td></td><td>HEAT CONTROL NC</td></tr><tr><td></td><td>POWER SUPPLIER</td></tr><tr><td></td><td>CONTROL REEL</td></tr><tr><td></td><td>CONTROL REEL</td></tr><tr><td></td><td>MARK END NC</td></tr><tr><td></td><td>UNIPOLAR MAGNETOTHERMIC SWITCH</td></tr><tr><td></td><td>TRIPOLAR MAGNETOTHERMIC SWITCH</td></tr><tr><td></td><td>SELF OPENING POWER SWITCH</td></tr><tr><td></td><td>FREQUENCY CONVERTER</td></tr><tr><td></td><td>LAMP</td></tr><tr><td></td><td>TERMINAL</td></tr><tr><td></td><td></td></tr><tr><td></td><td>MOTOR 3P+T</td></tr></table>						PLUG		RESISTOR		CONDENSER		HEAT CONTROL NC		POWER SUPPLIER		CONTROL REEL		CONTROL REEL		MARK END NC		UNIPOLAR MAGNETOTHERMIC SWITCH		TRIPOLAR MAGNETOTHERMIC SWITCH		SELF OPENING POWER SWITCH		FREQUENCY CONVERTER		LAMP		TERMINAL				MOTOR 3P+T	<table><tr><td></td><td>CONTACT NC</td></tr><tr><td></td><td>POWER CONTACT NO</td></tr><tr><td></td><td>CONTACT NO</td></tr><tr><td></td><td>FUSE CARRIER SWITCH</td></tr><tr><td></td><td>THERMORESISTANCE</td></tr><tr><td></td><td>EMERGENCY CONTACT NC</td></tr><tr><td></td><td>POWER CONTACT NO</td></tr><tr><td></td><td>SHIELDING</td></tr><tr><td></td><td>SELECTOR NO</td></tr><tr><td></td><td>THERMOREGULATOR</td></tr><tr><td></td><td>VARISTOR</td></tr><tr><td></td><td>FAN</td></tr><tr><td></td><td>FUNCTIONAL SYSTEM I/O</td></tr><tr><td></td><td>MULTIWAYS BOX</td></tr><tr><td></td><td>STATIC GROUP</td></tr><tr><td></td><td>SWITCH</td></tr></table>						CONTACT NC		POWER CONTACT NO		CONTACT NO		FUSE CARRIER SWITCH		THERMORESISTANCE		EMERGENCY CONTACT NC		POWER CONTACT NO		SHIELDING		SELECTOR NO		THERMOREGULATOR		VARISTOR		FAN		FUNCTIONAL SYSTEM I/O		MULTIWAYS BOX		STATIC GROUP		SWITCH
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 SMI S.p.A. SAN GIOVANNI BIANCO (BO) - ITALY		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: ST4000  DIS.N.: PC05036IS4926_2-NOTE GEN.003		DATE: 15/01/2018  SIGNATURE: RCASTELLI		TITLE: SYMBOL LEGENMDA		VER.: 1.0  ↑ PAG.: 1502	PAG.: 1504  ↓ PAG.: 1506																																																															
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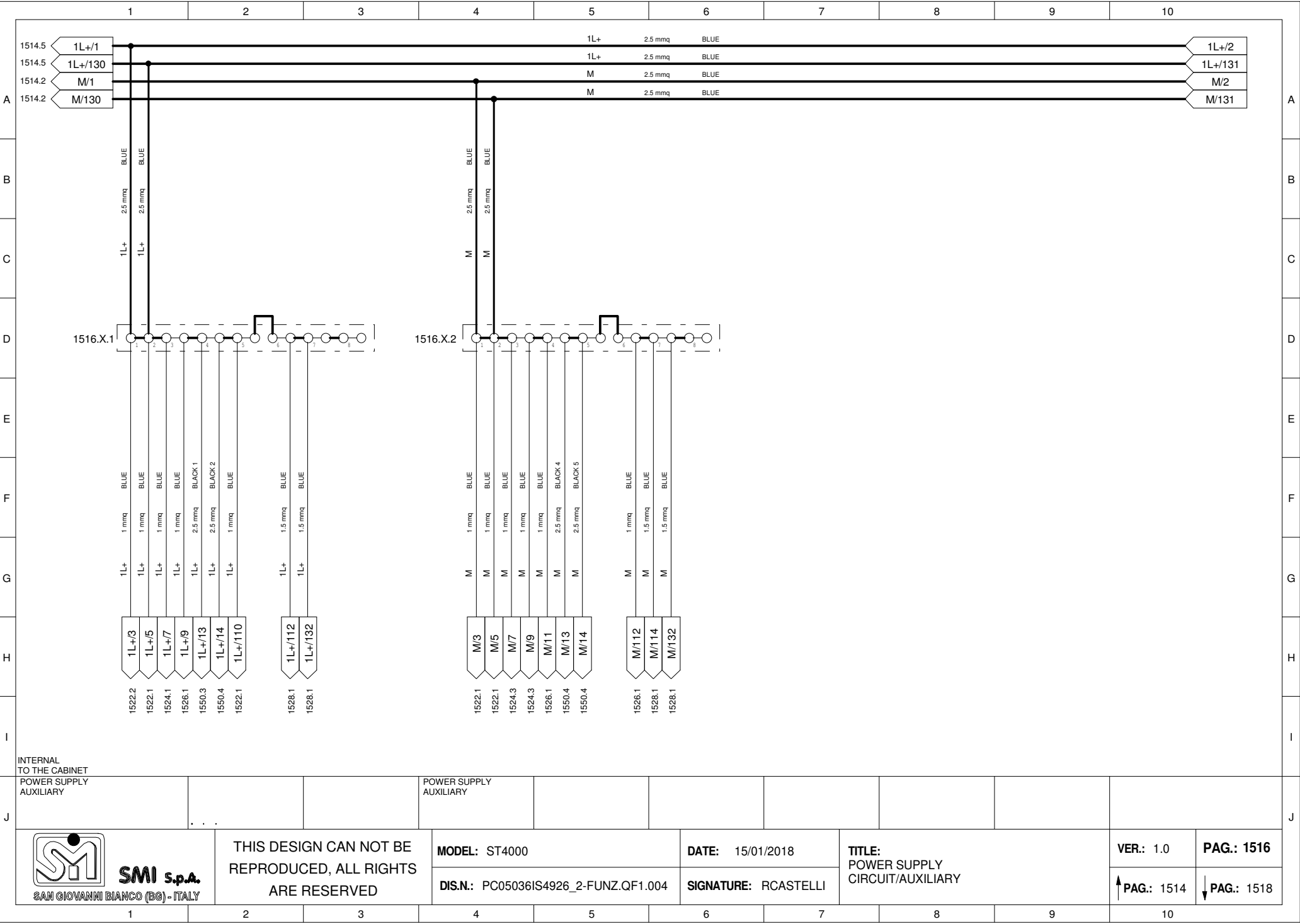
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A	<table><tr><td></td><td>PLC</td></tr><tr><td></td><td>FUSE CARRIER SWITCH</td></tr><tr><td></td><td>TERMINAL</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>											PLC		FUSE CARRIER SWITCH		TERMINAL																											A
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J	<table><tr><td rowspan="2"> <b>SMI s.p.a.</b> SAN GIOVANNI BIANCO (BG) - ITALY</td><td rowspan="2">THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED</td><td>MODEL: ST4000</td><td>DATE: 15/01/2018</td><td rowspan="2">TITLE: SYMBOL LEGENMDA</td><td>VER.: 1.0</td><td>PAG.: 1506</td></tr><tr><td>DIS.N.: PC05036IS4926_2-NOTE GEN.004</td><td>SIGNATURE: RCASTELLI</td><td>↑ PAG.: 1504</td><td>↓ PAG.: 1510</td></tr></table>										 <b>SMI s.p.a.</b> SAN GIOVANNI BIANCO (BG) - ITALY	THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED	MODEL: ST4000	DATE: 15/01/2018	TITLE: SYMBOL LEGENMDA	VER.: 1.0	PAG.: 1506	DIS.N.: PC05036IS4926_2-NOTE GEN.004	SIGNATURE: RCASTELLI	↑ PAG.: 1504	↓ PAG.: 1510	J																					
 <b>SMI s.p.a.</b> SAN GIOVANNI BIANCO (BG) - ITALY	THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED	MODEL: ST4000	DATE: 15/01/2018	TITLE: SYMBOL LEGENMDA	VER.: 1.0	PAG.: 1506																																					
		DIS.N.: PC05036IS4926_2-NOTE GEN.004	SIGNATURE: RCASTELLI		↑ PAG.: 1504	↓ PAG.: 1510																																					
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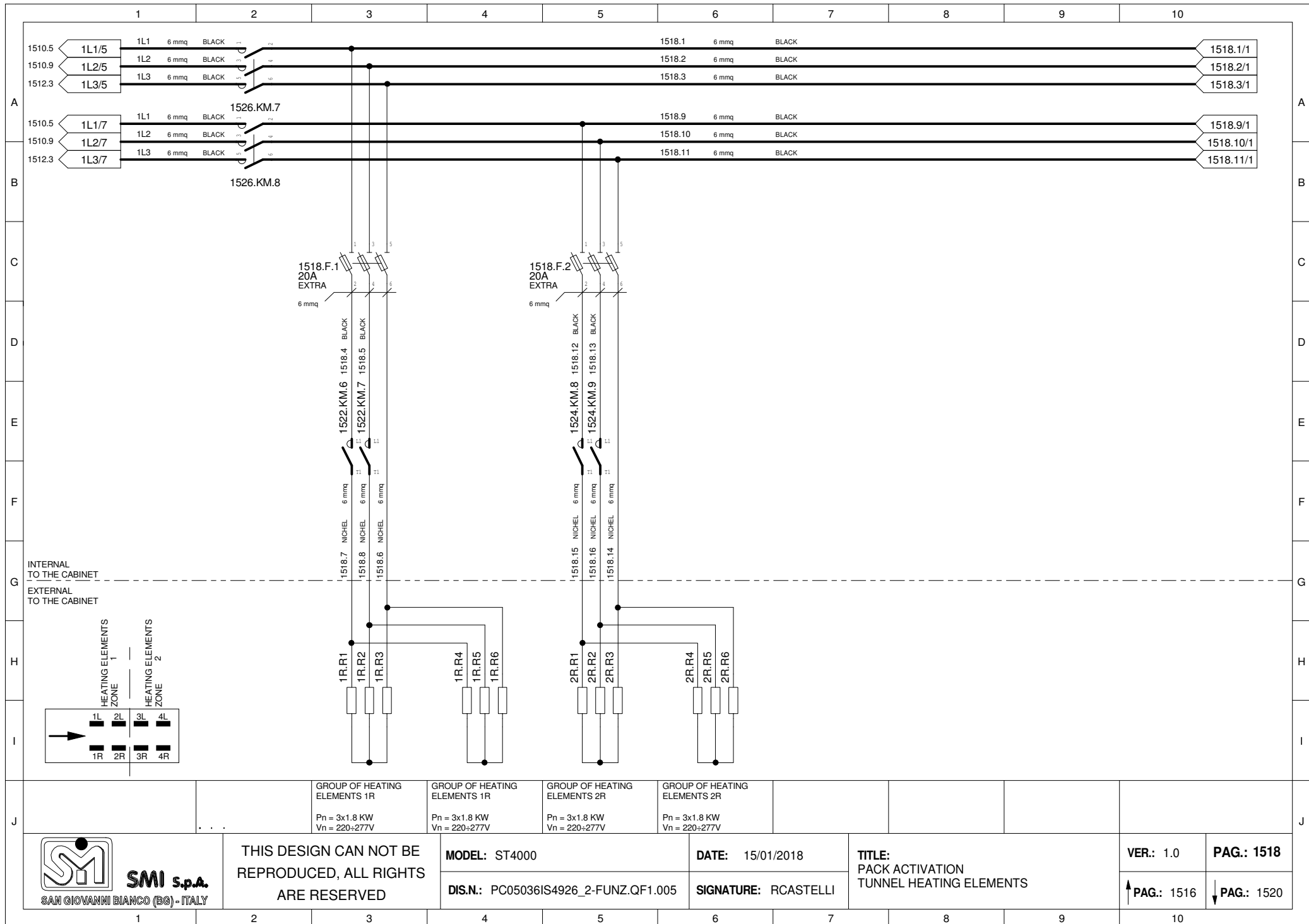


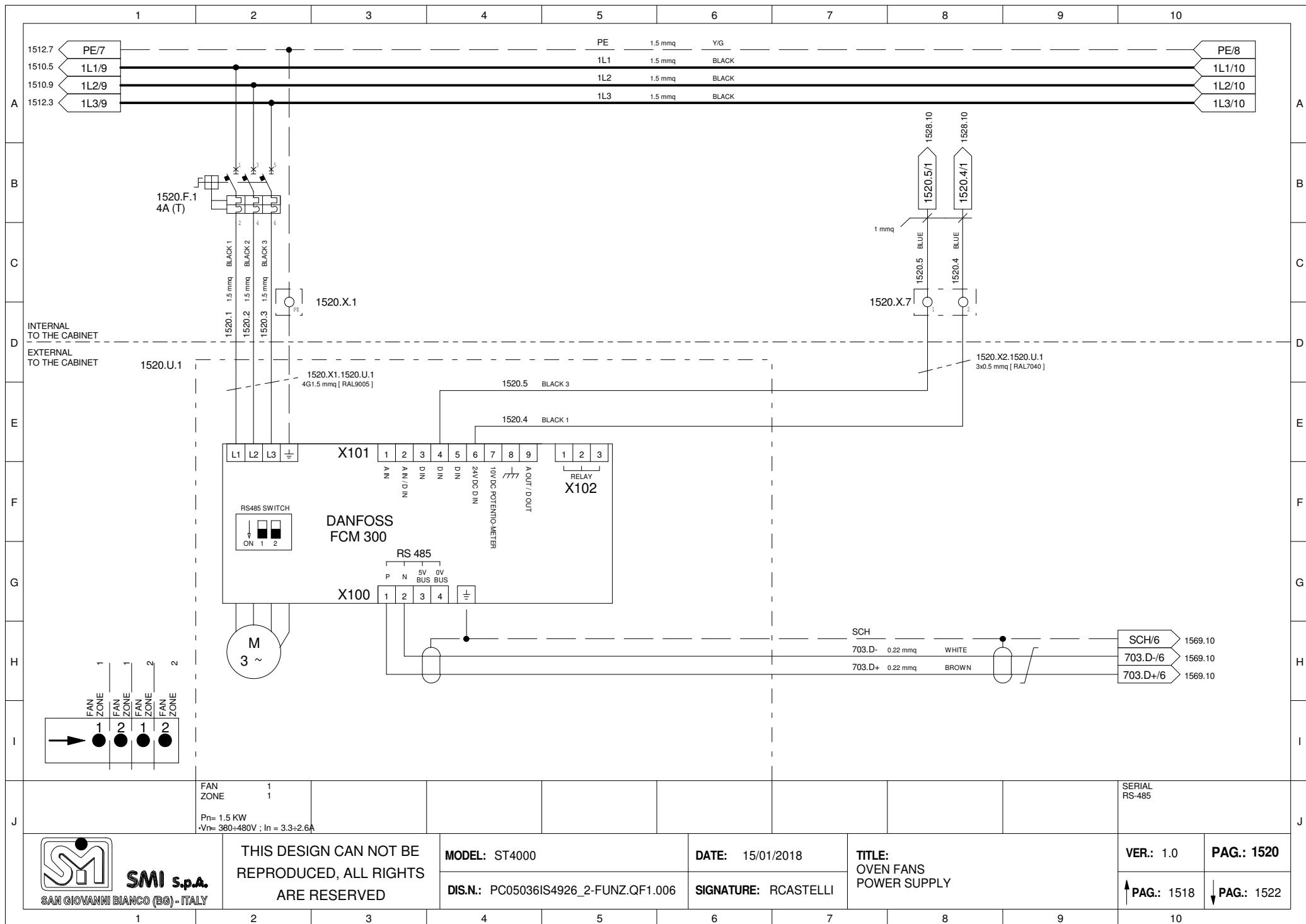
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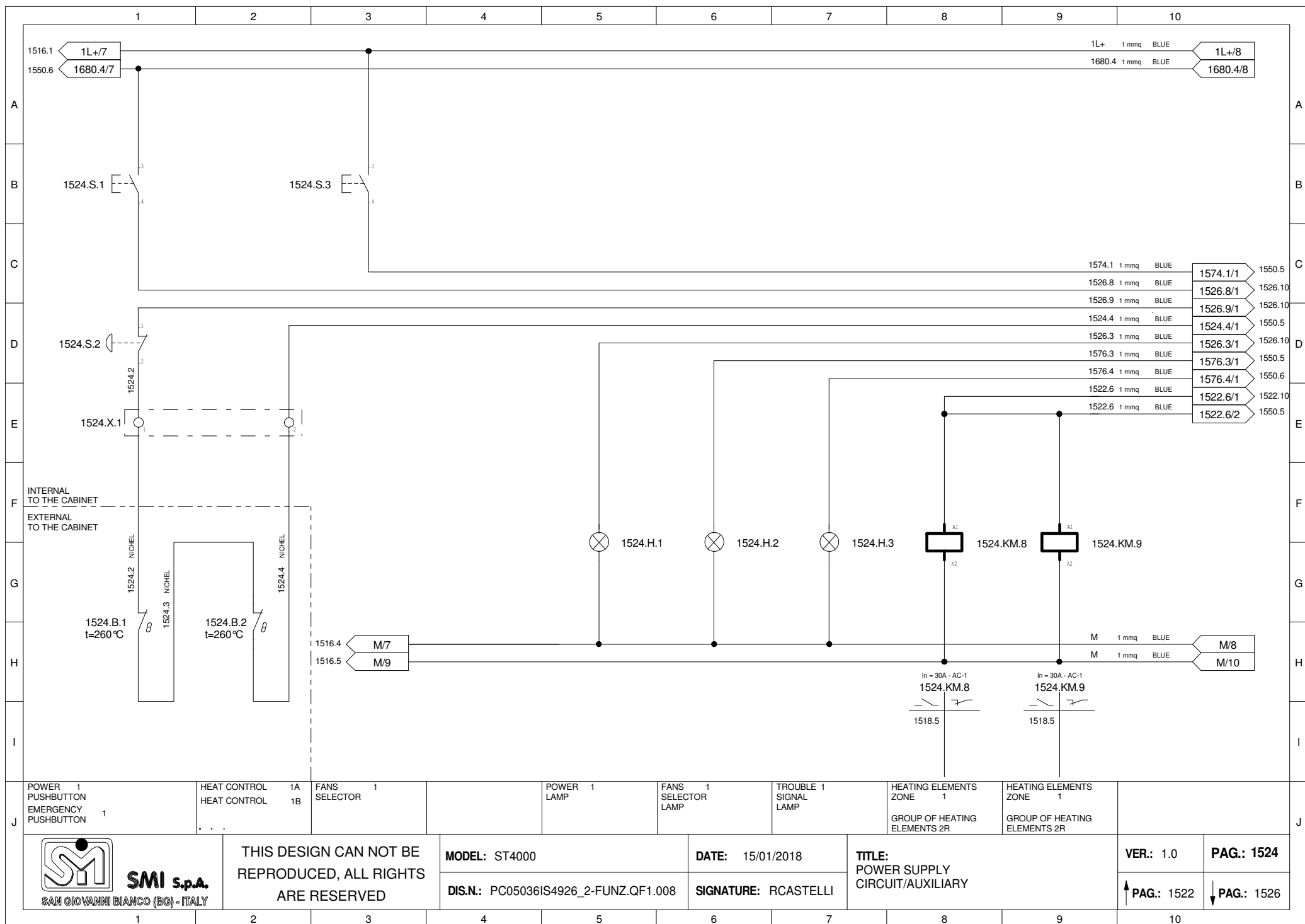
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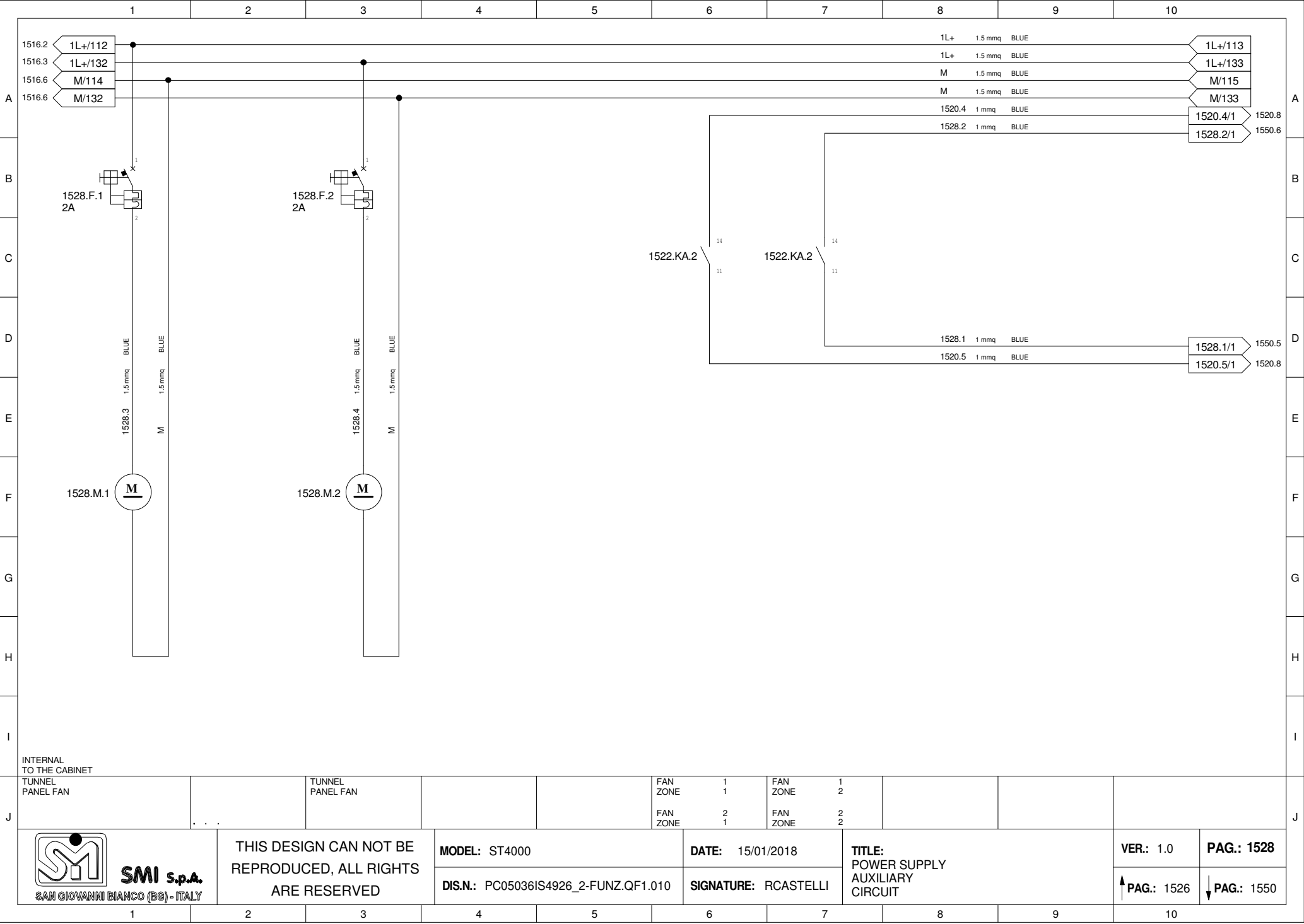




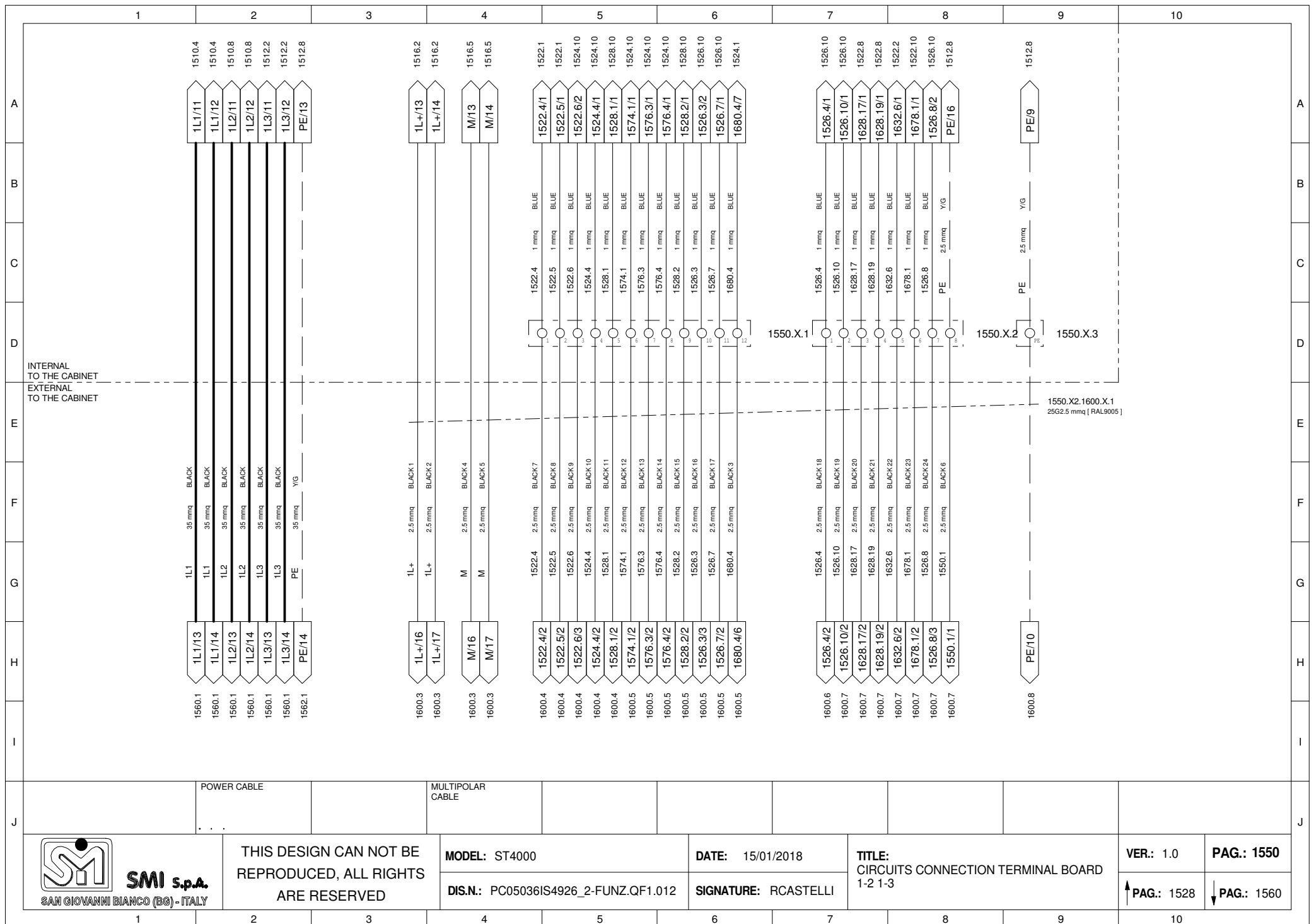
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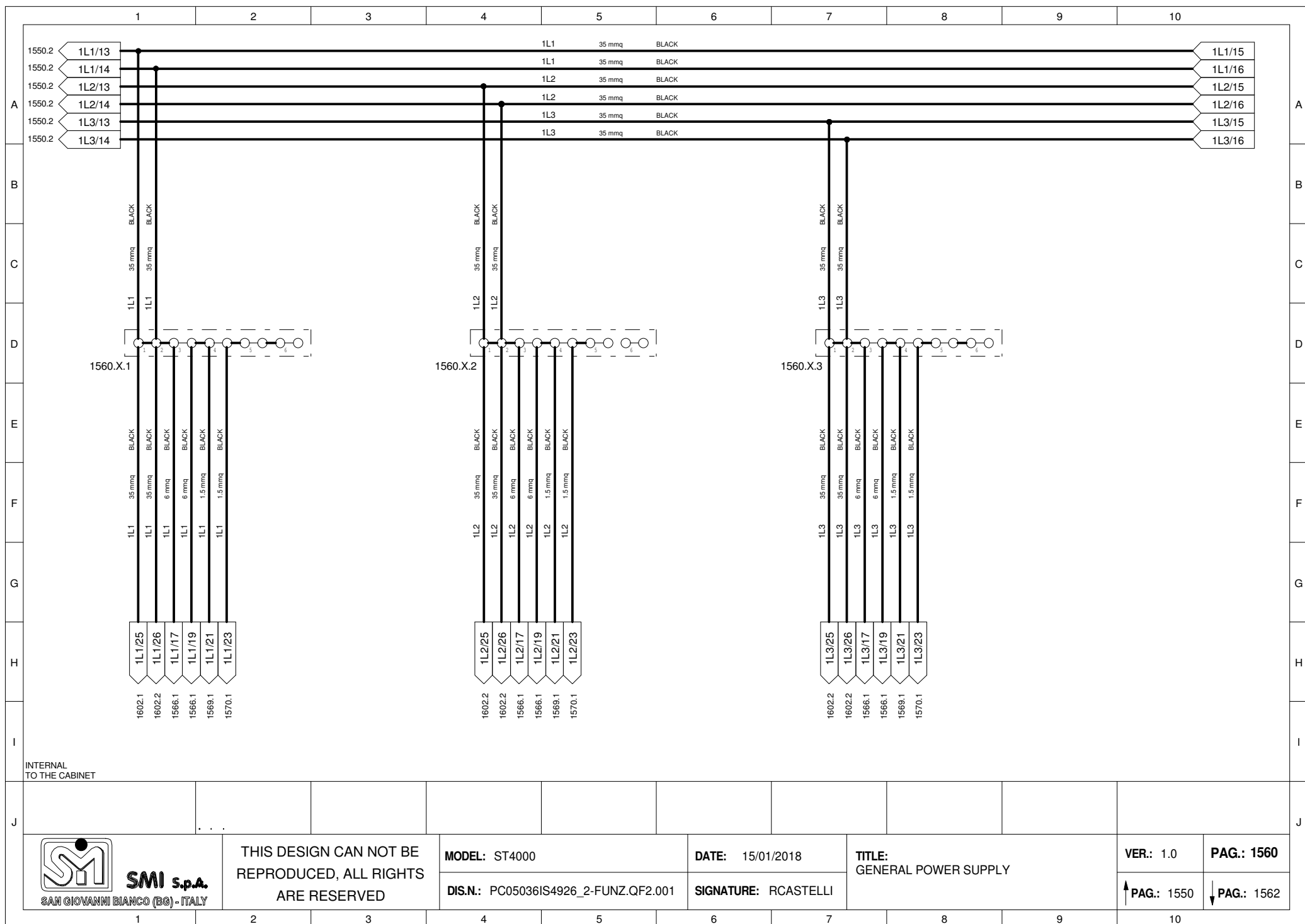


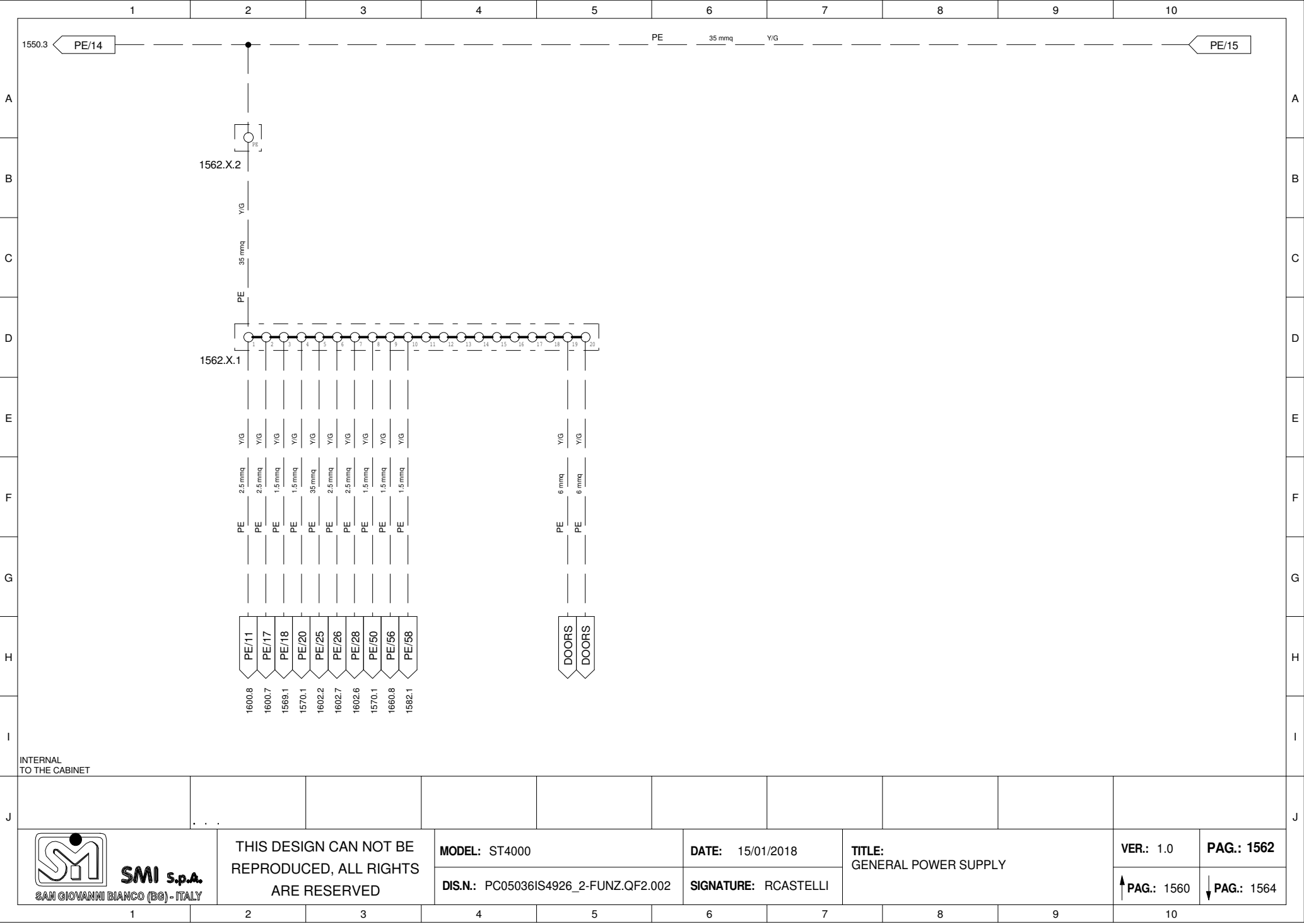


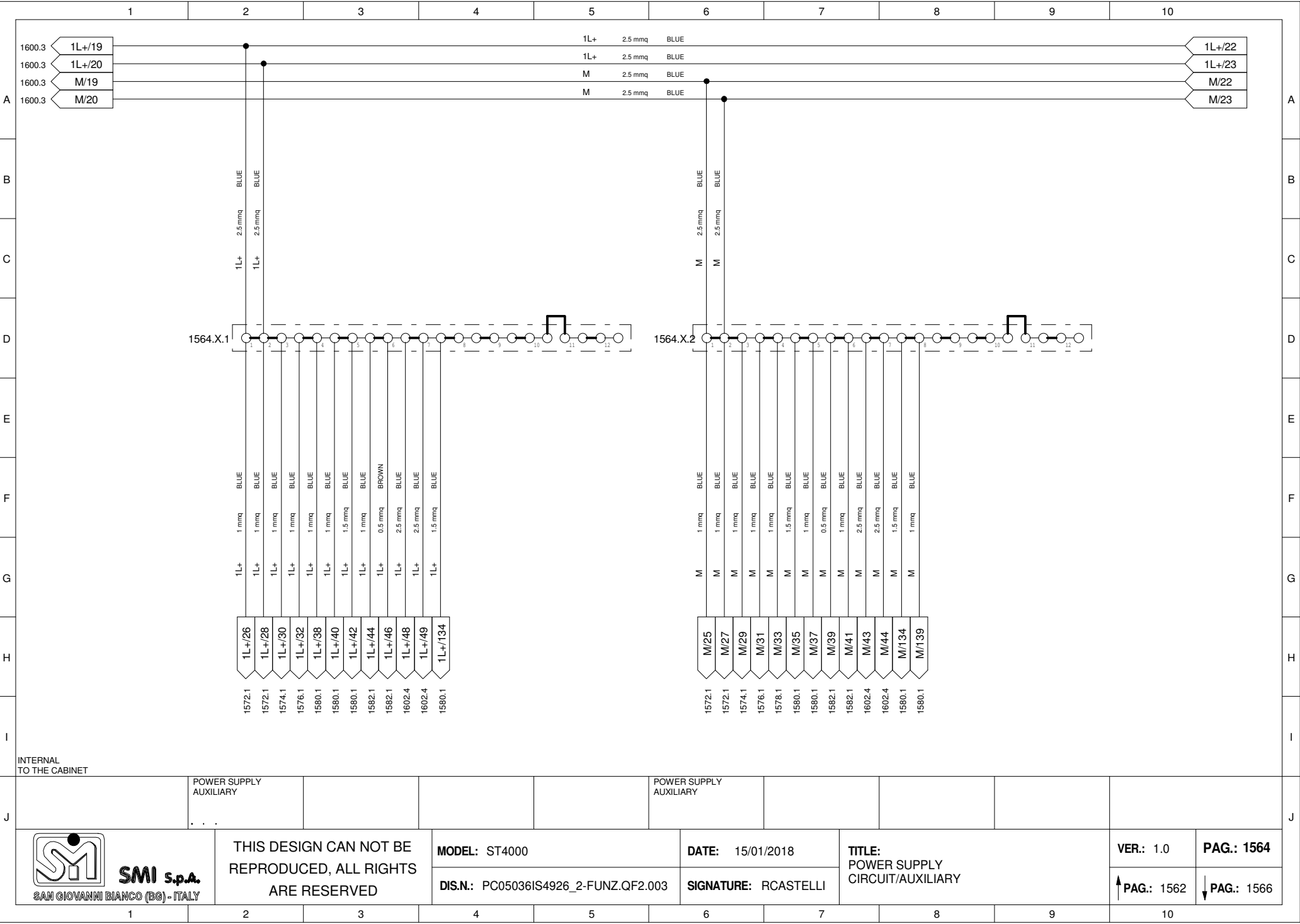


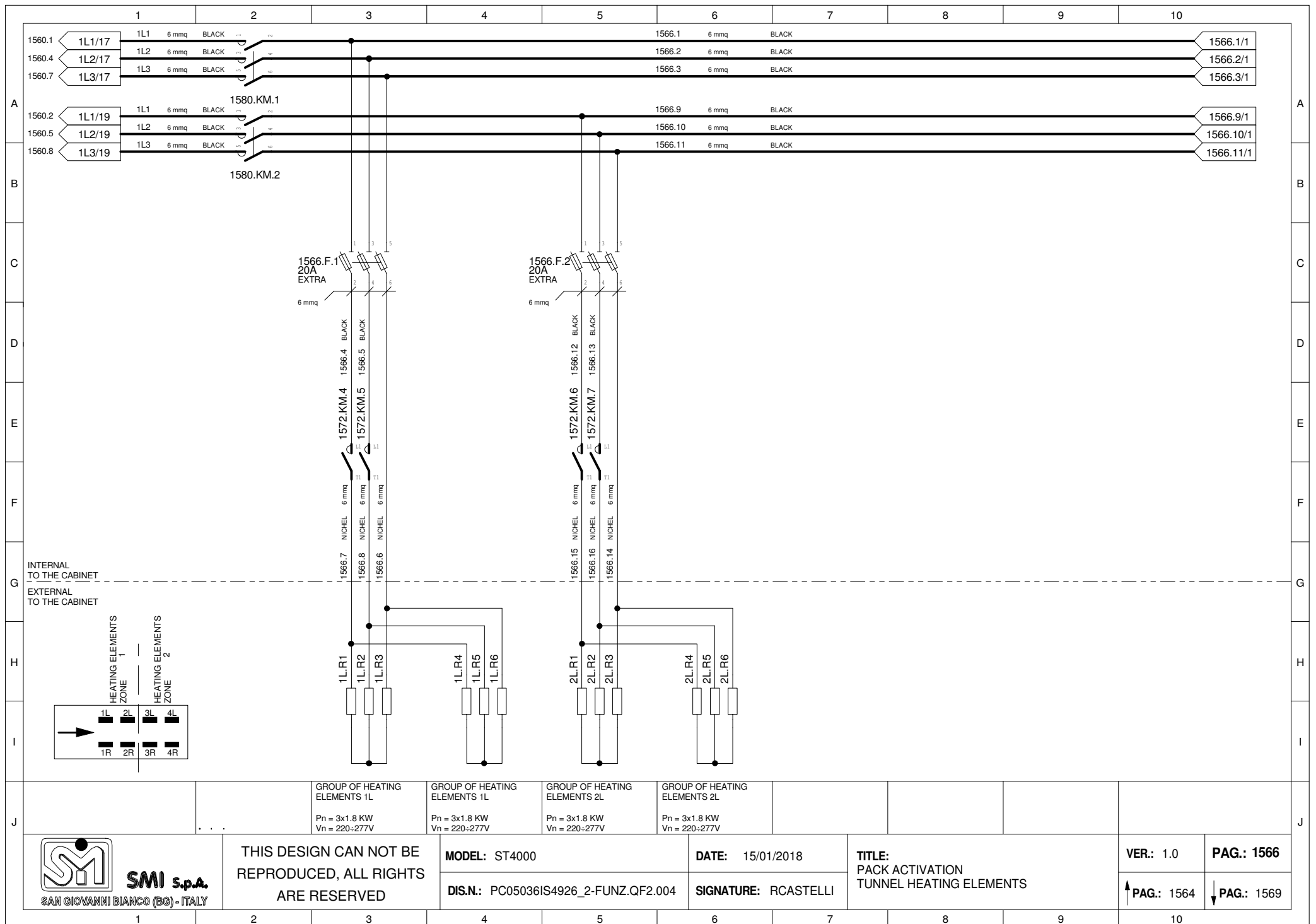


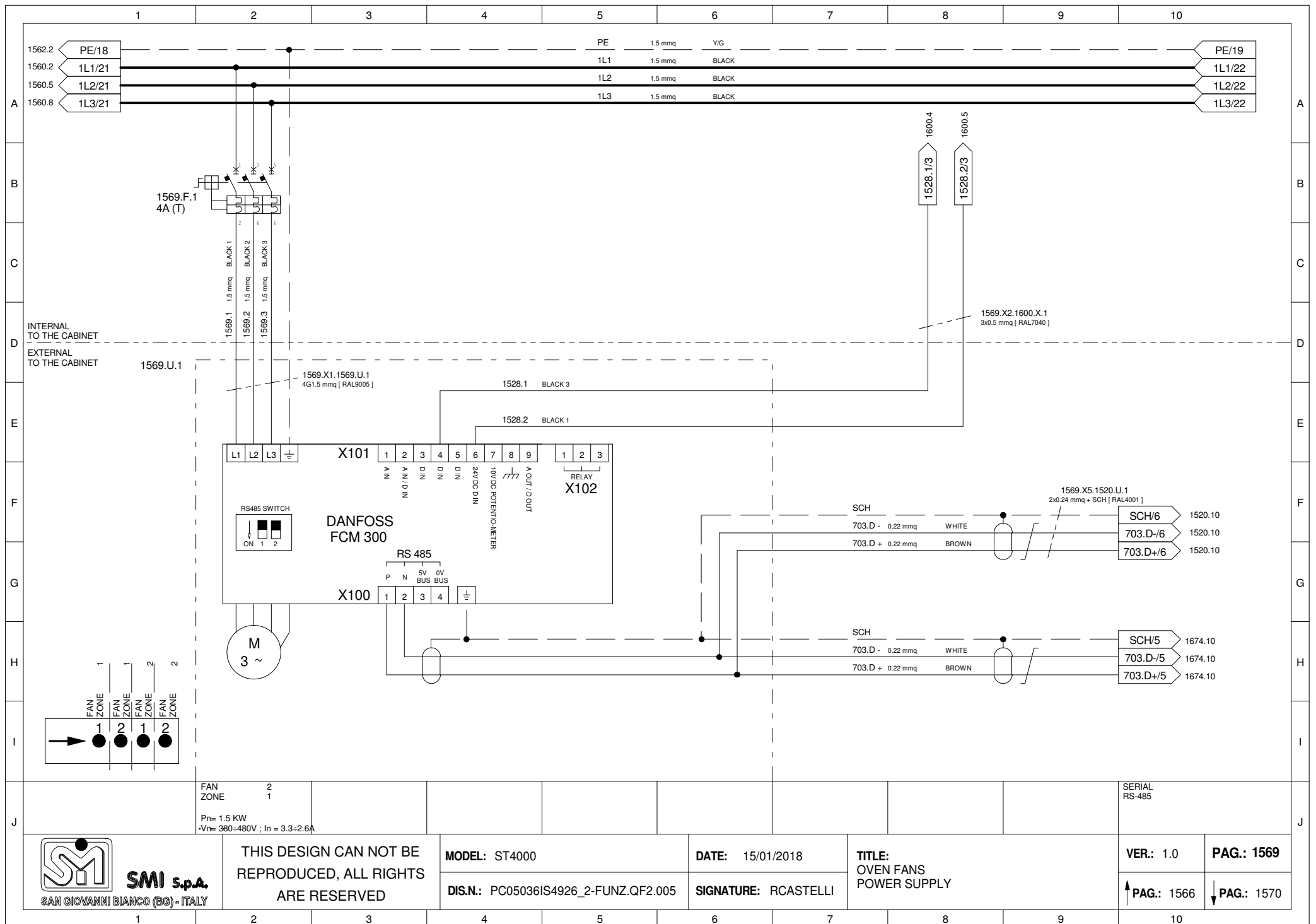


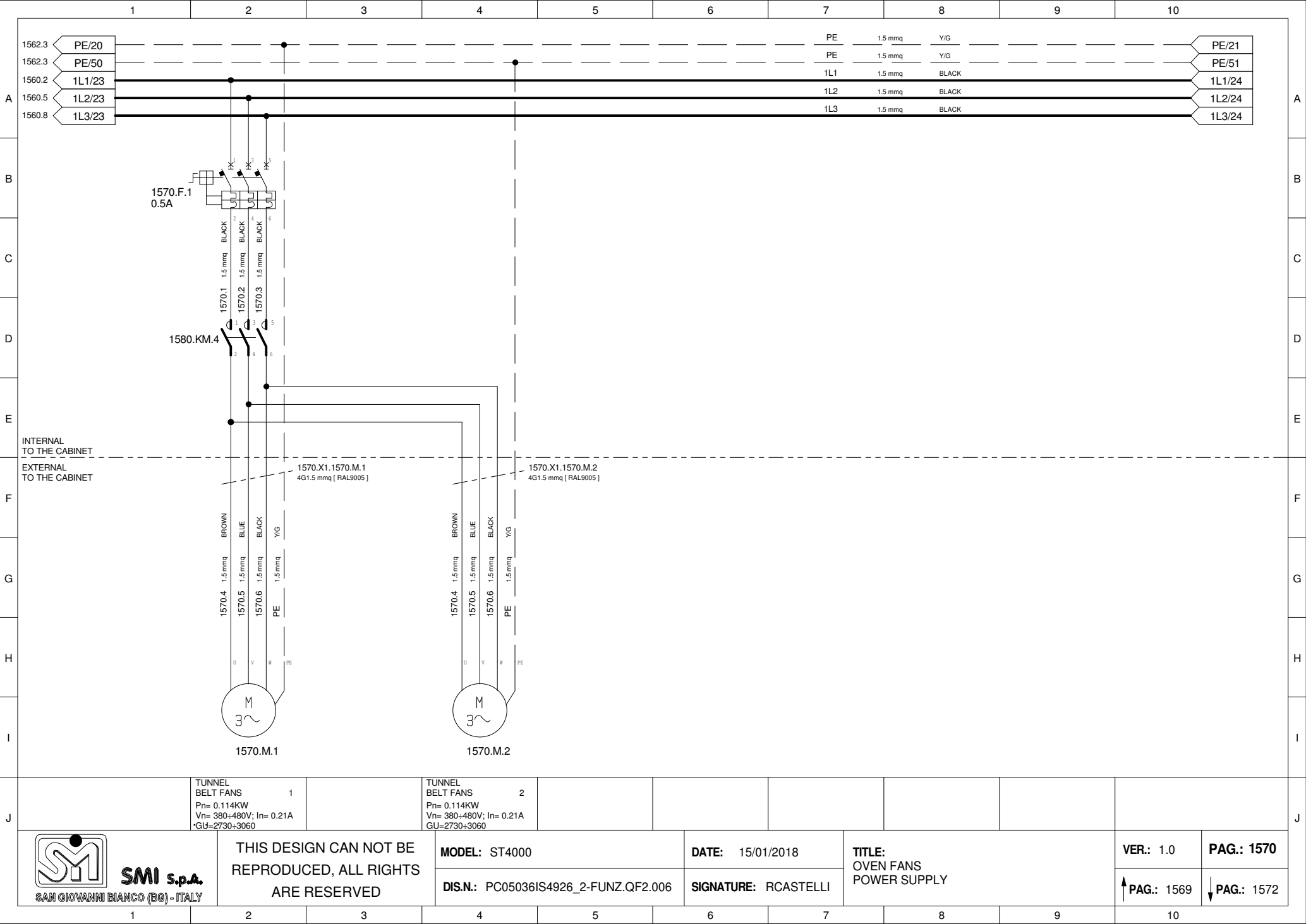


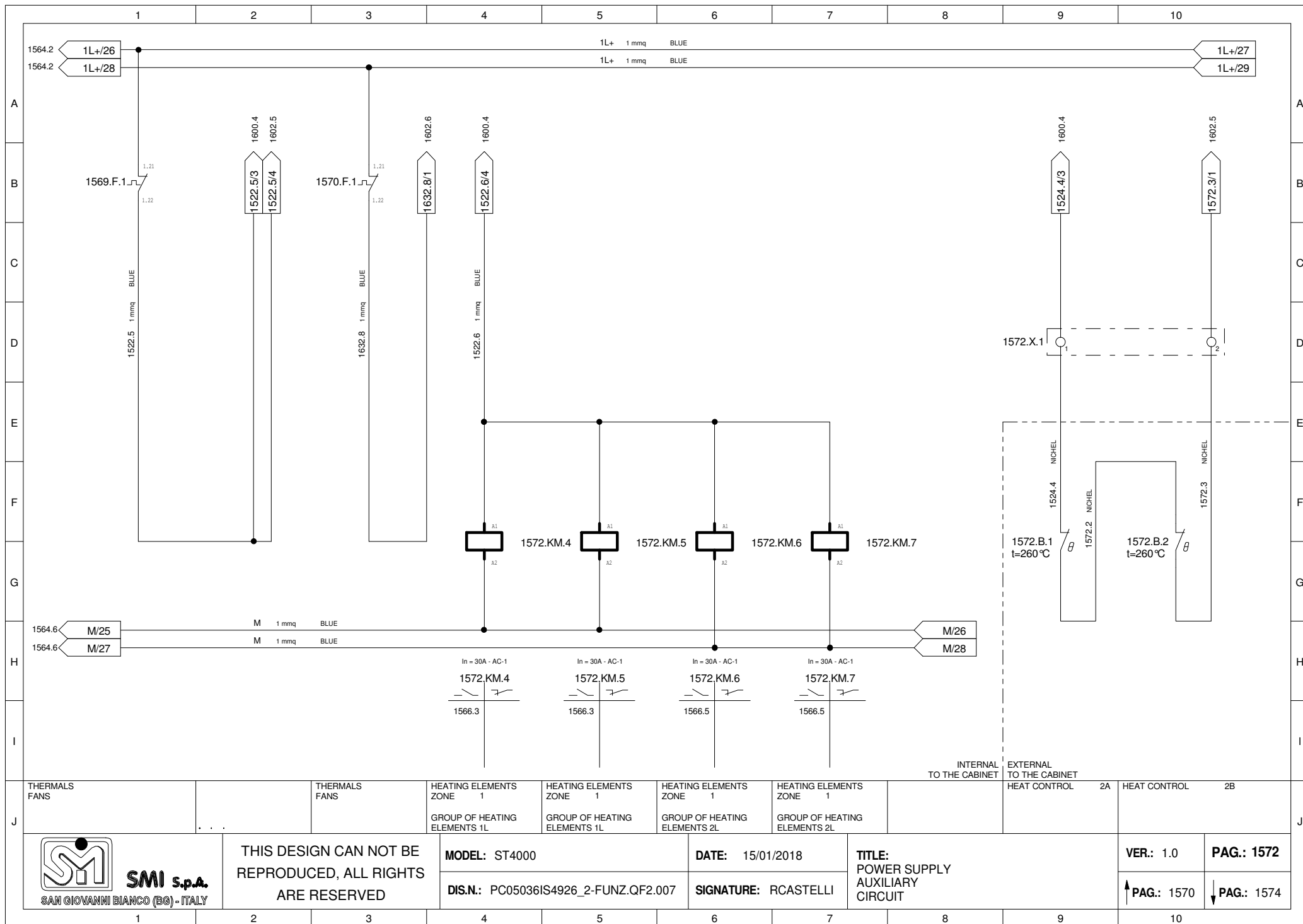




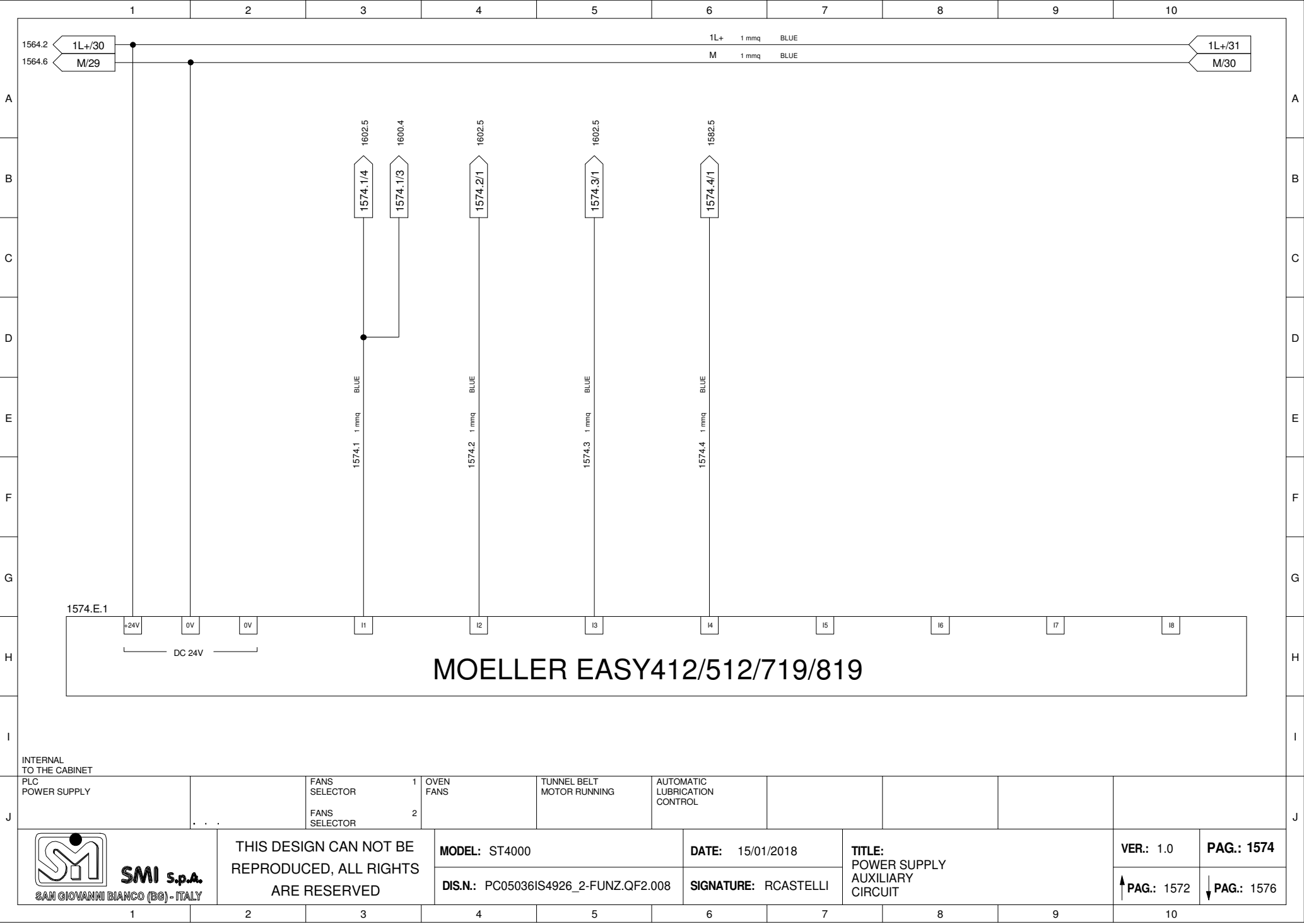








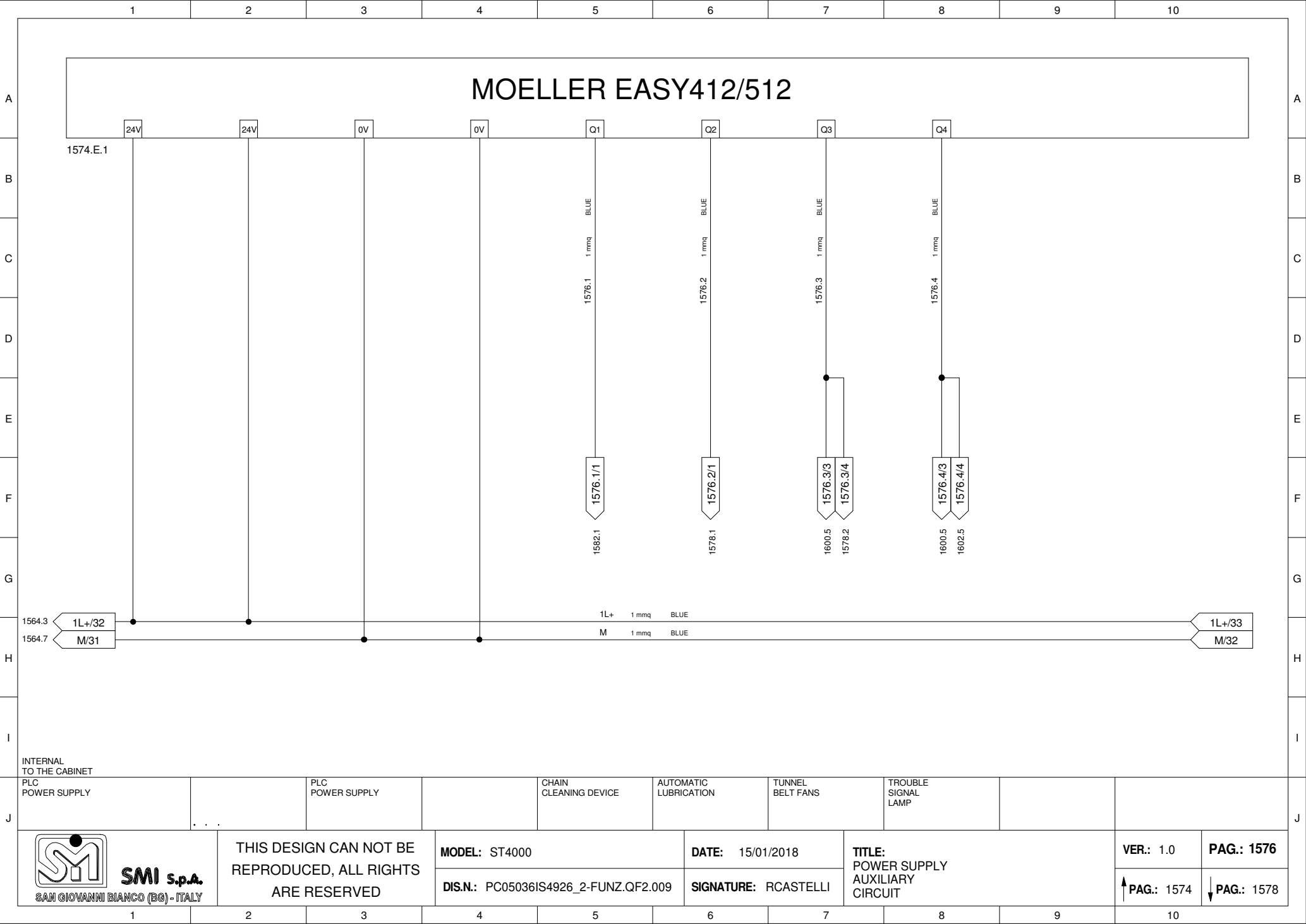


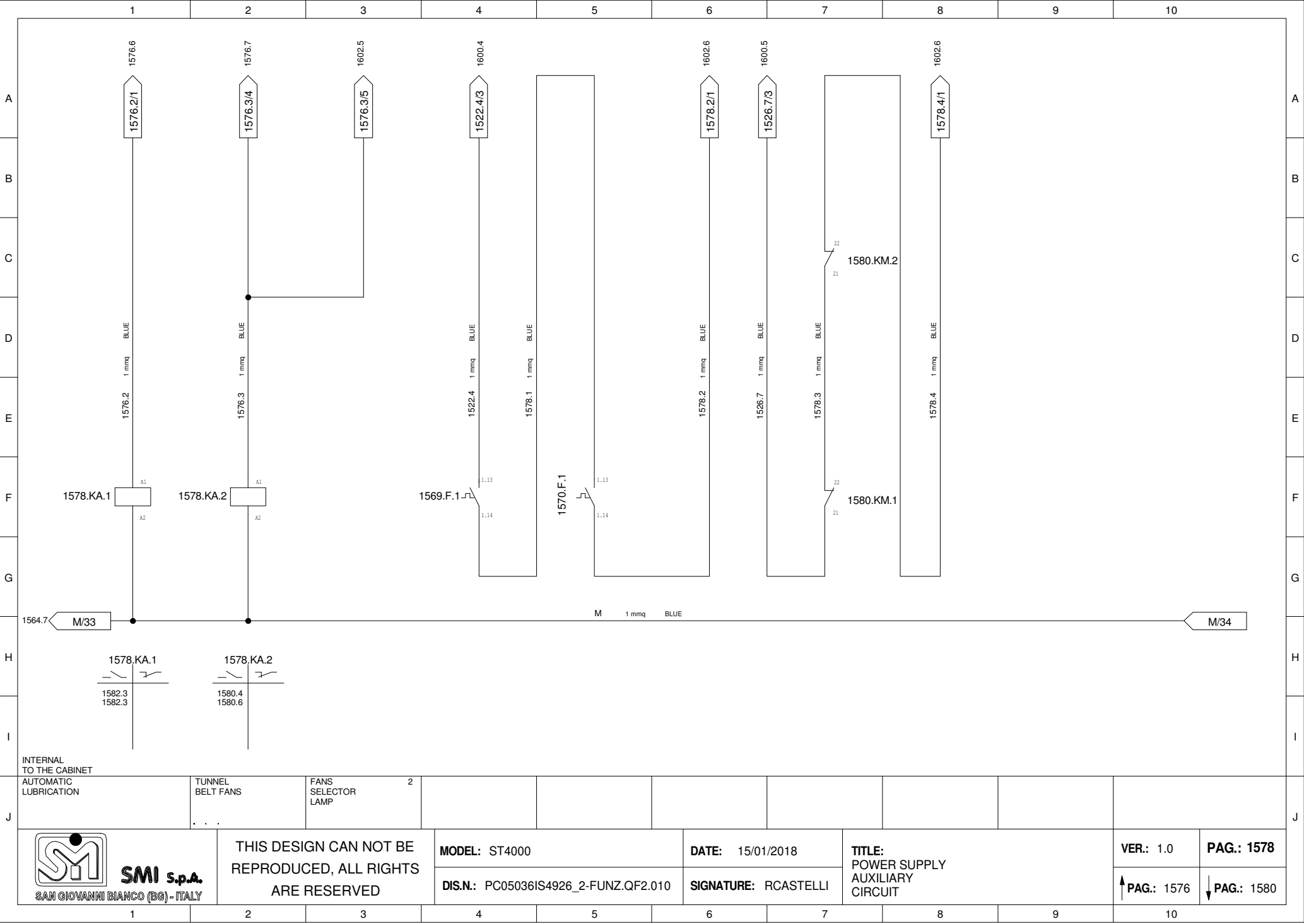


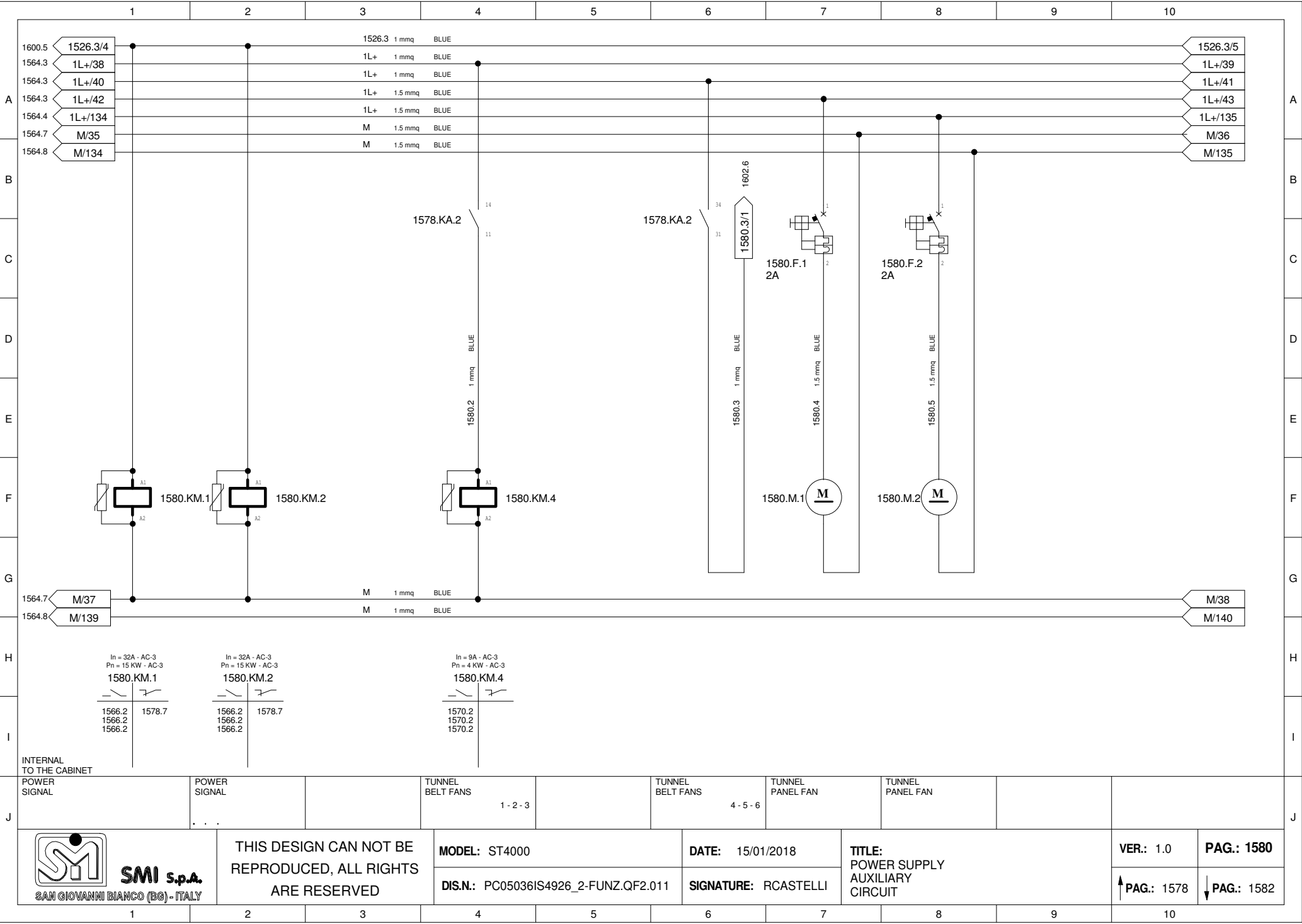
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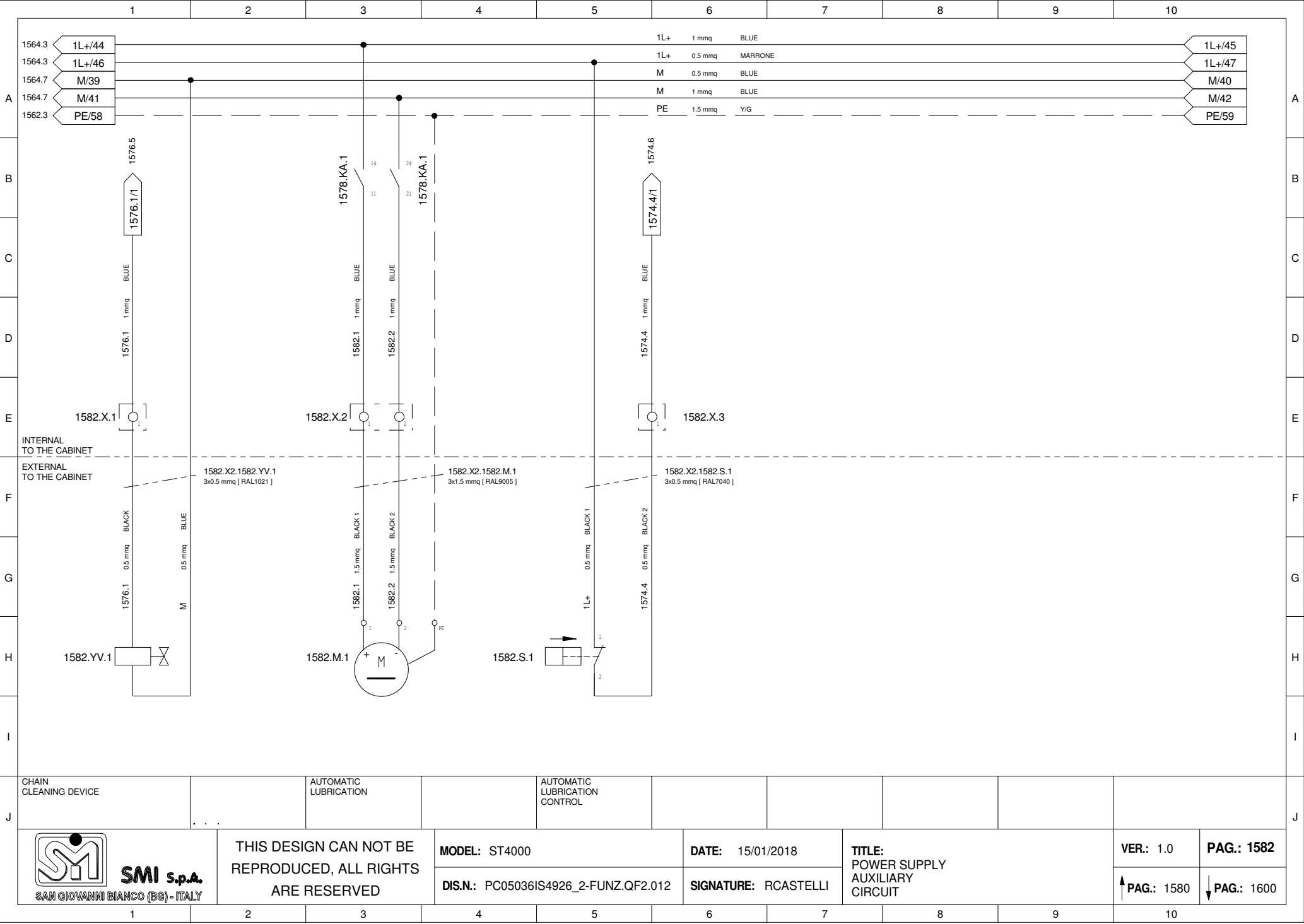
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DIS.N.: PC05036IS4926\_2-FUNZ.QF2.008  
DATE: 15/01/2018  
SIGNATURE: RCASTELLI

TITLE: POWER SUPPLY  
AUXILIARY  
CIRCUIT  
VER.: 1.0  
PAG.: 1574  
PAG.: 1572  
PAG.: 1576









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J											J
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INTERNAL  
TO THE CABINET

EXTERNAL  
TO THE CABINET

MULTIPOLAR  
CABLE



1564.3

1564.4

1564.7

1564.8

1572.2

1572.10

1574.3

1574.4

1574.5

1578.3

1578.6

1580.6

1572.3

1578.8

1562.3

1L+/48

1L+/49

M/43

M/44

1522.5/4

1572.3/1

1574.1/4

1574.2/1

1574.3/1

1576.3/5

1576.4/4

1578.2/1

1580.3/1

1632.8/1

1578.4/1

PE/28

1 mmq

1 mmq

1 mmq

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2.5 mmq

BLUE

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BLUE

Y/G

1602.X.2

1562.3

PE

PE

2.5 mmq

2.5 mmq

Y/G

Y/G

INTERNAL TO THE CABINET

EXTERNAL TO THE CABINET

POWER CABLE

MULTIPOLAR CABLE



**SMI** s.p.a.  
SAN GIOVANNI BIANCO (BG) - ITALY

THIS DESIGN CAN NOT BE  
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MODEL: ST4000

DIS.N.: PC05036IS4926\_2-FUNZ.QF2.014

DATE: 15/01/2018

SIGNATURE: RCASTELLI

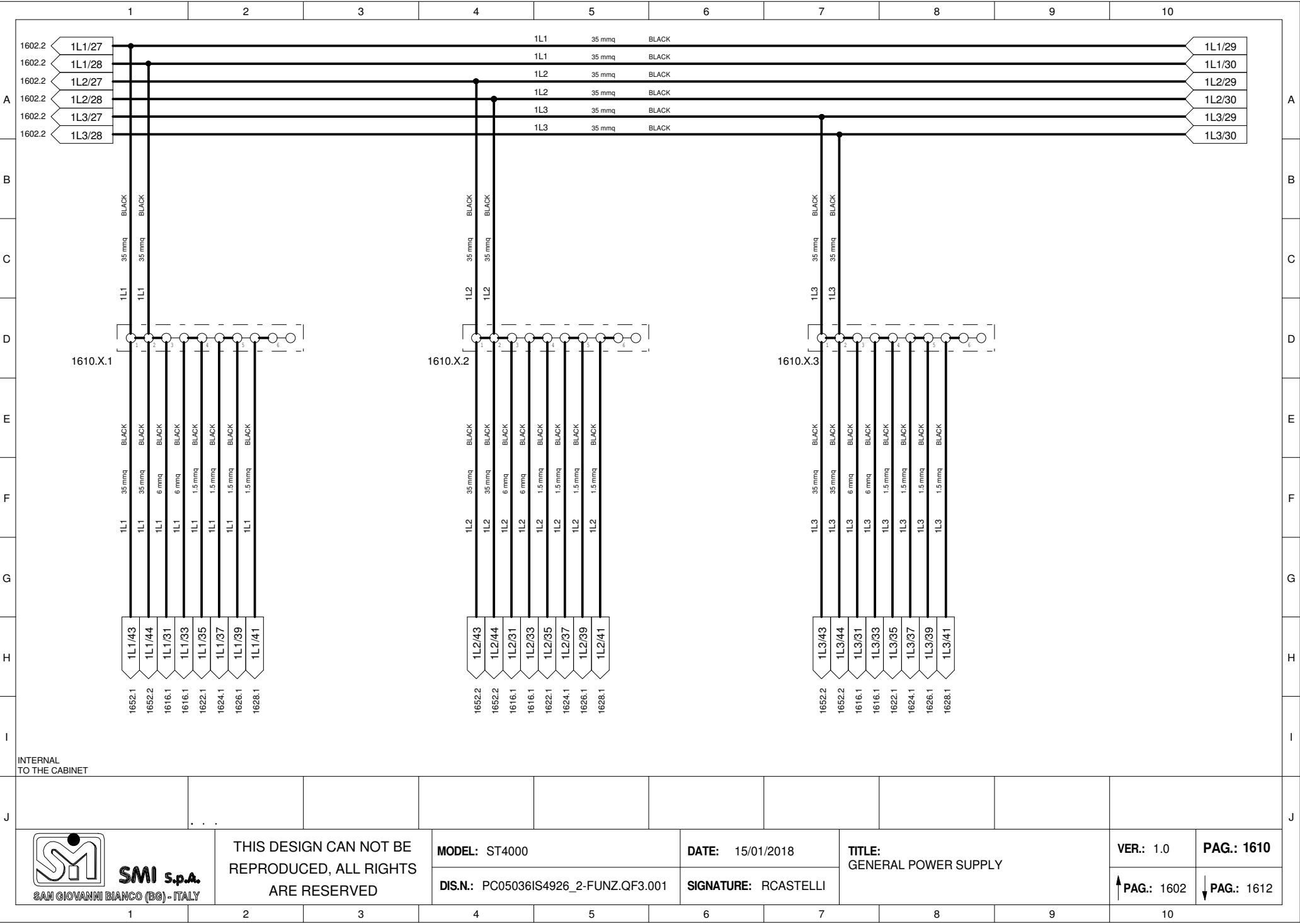
TITLE:  
CIRCUITS CONNECTION TERMINAL BOARD  
2-3

VER.: 1.0

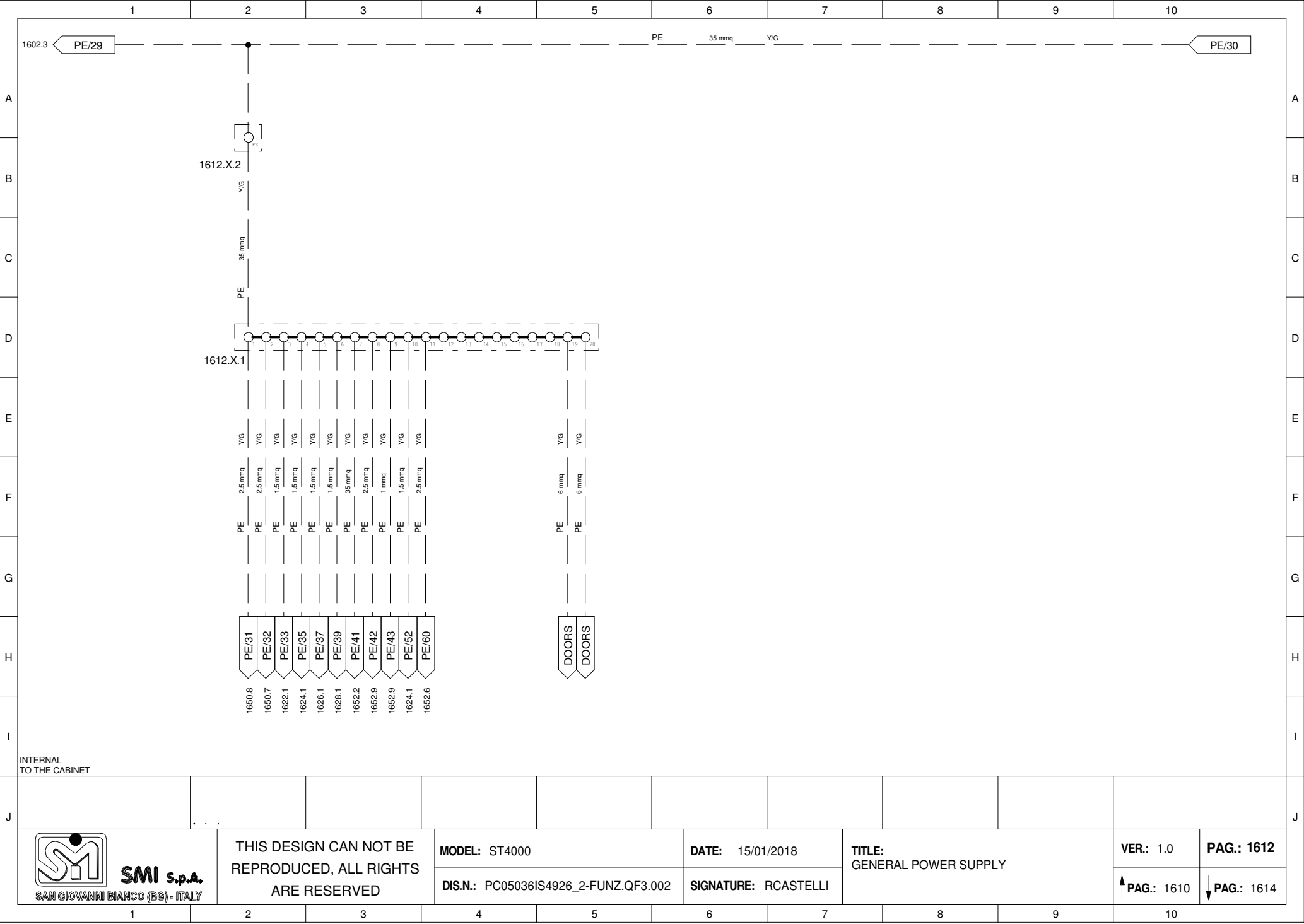
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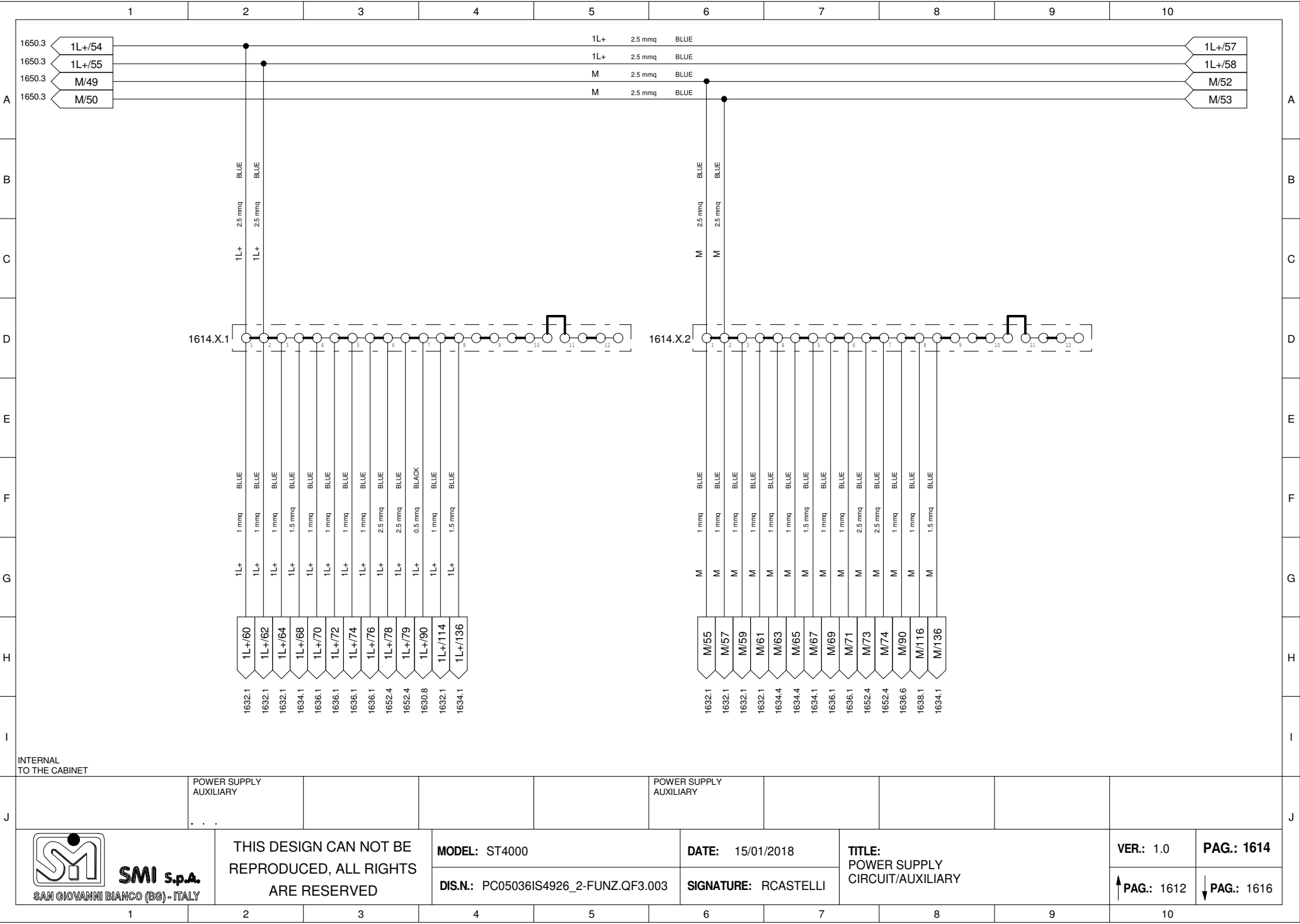
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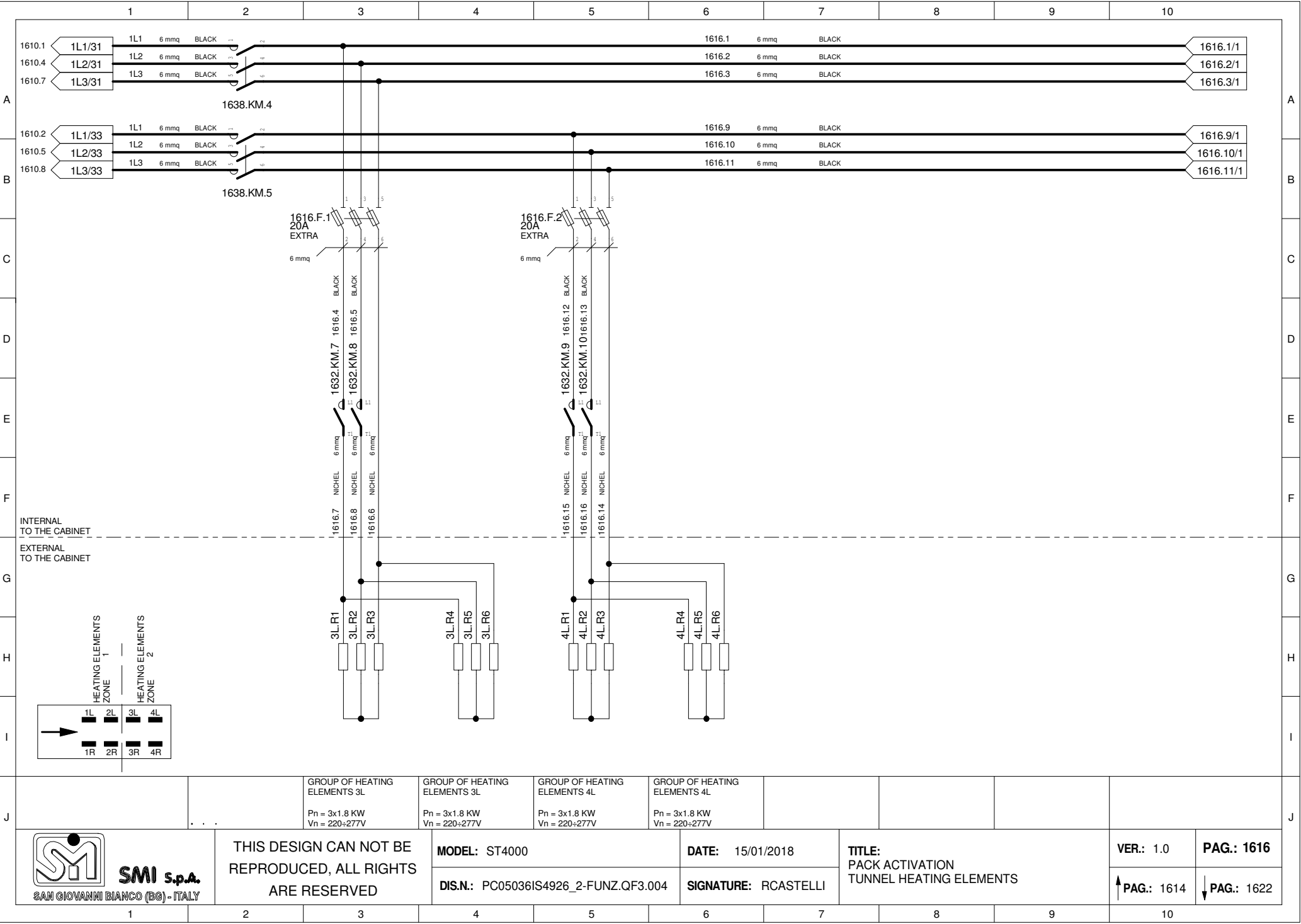
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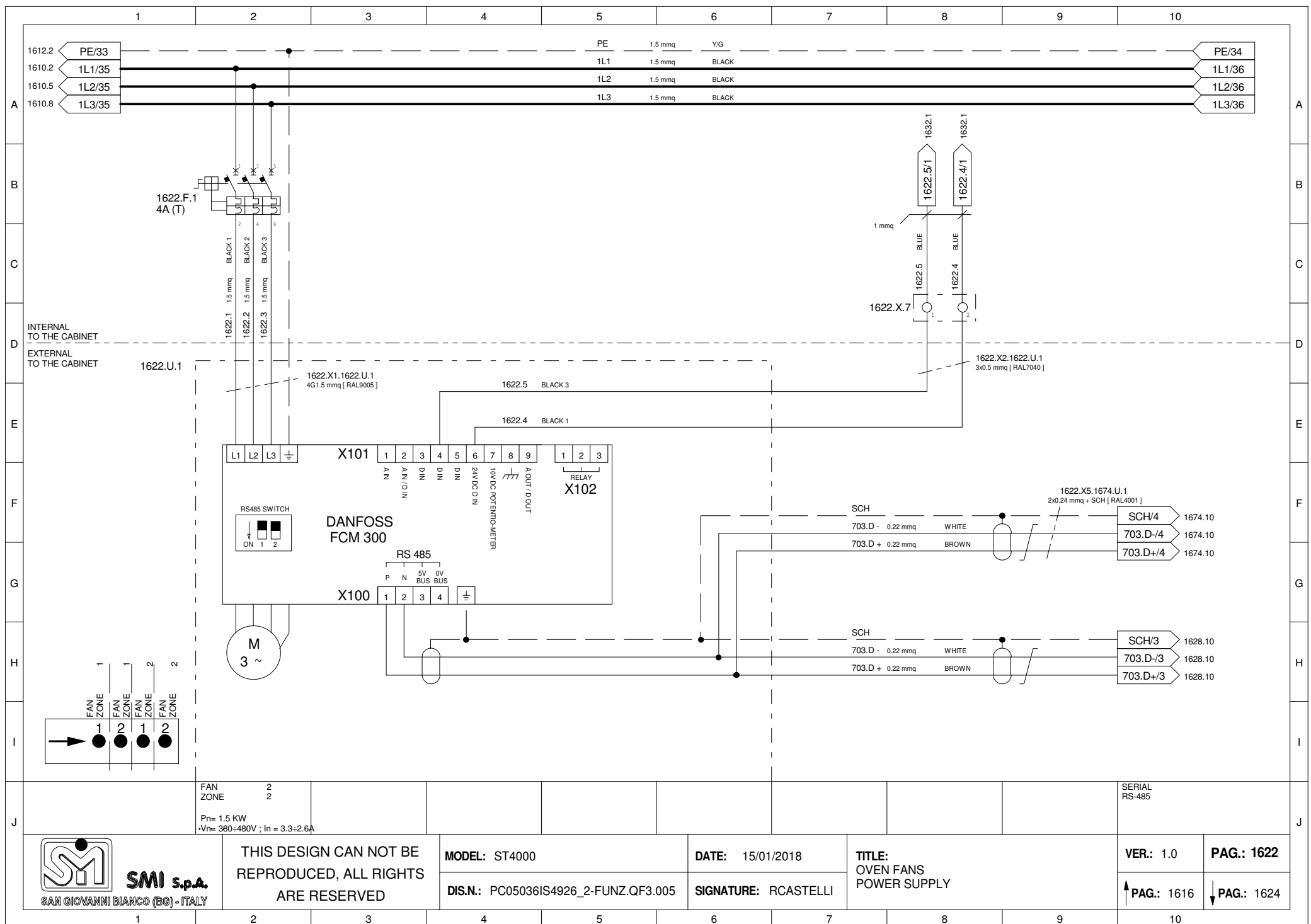


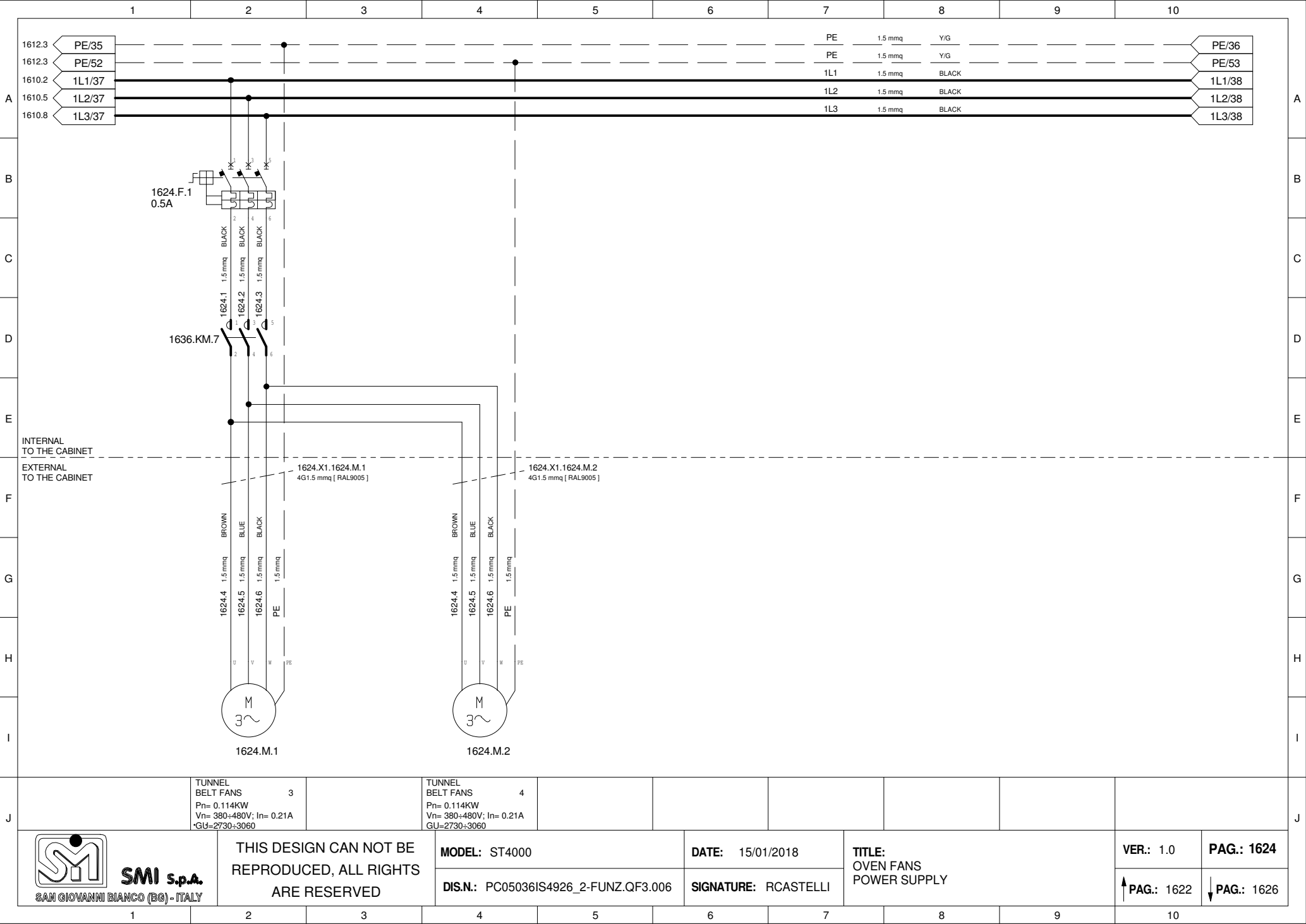


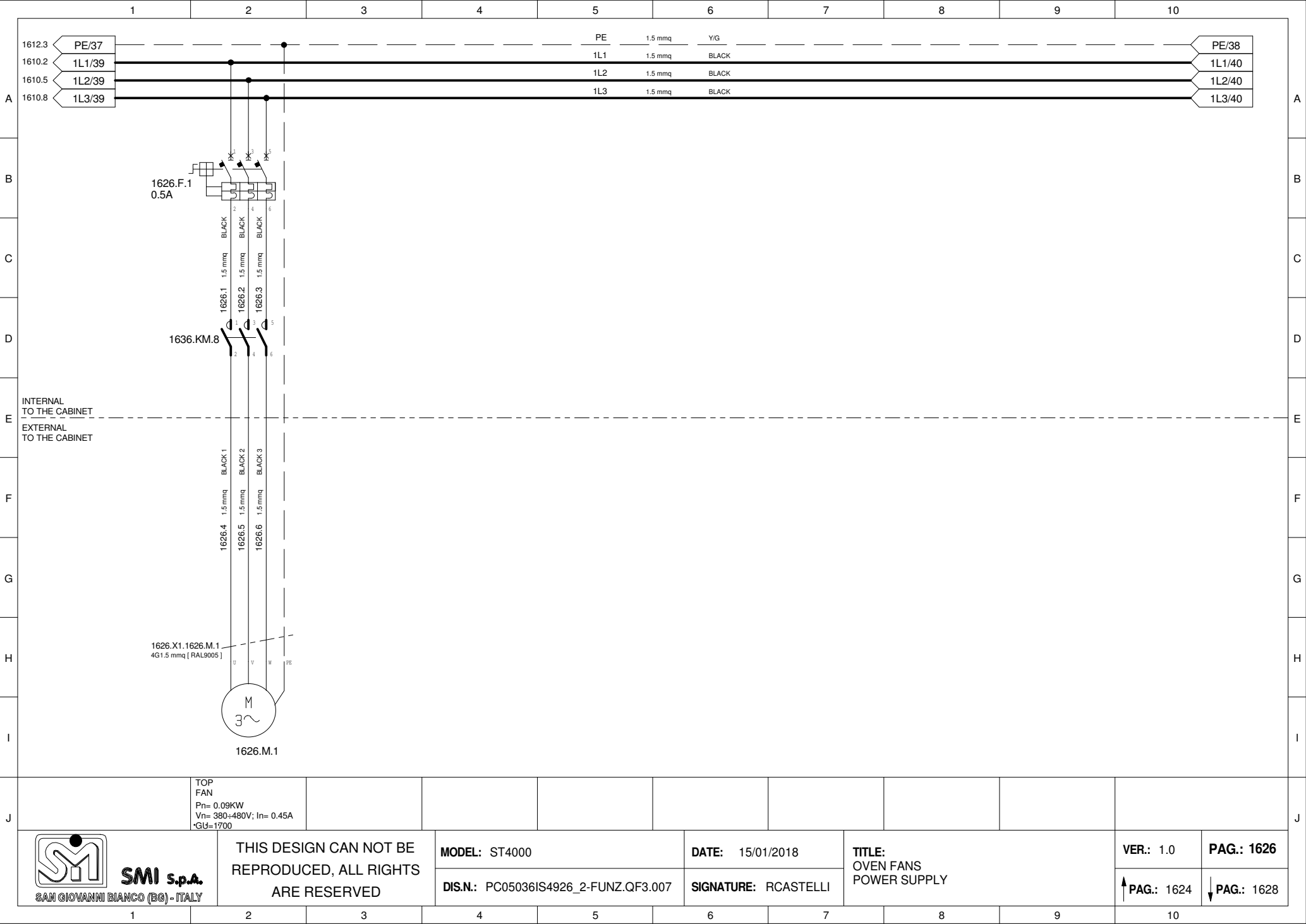


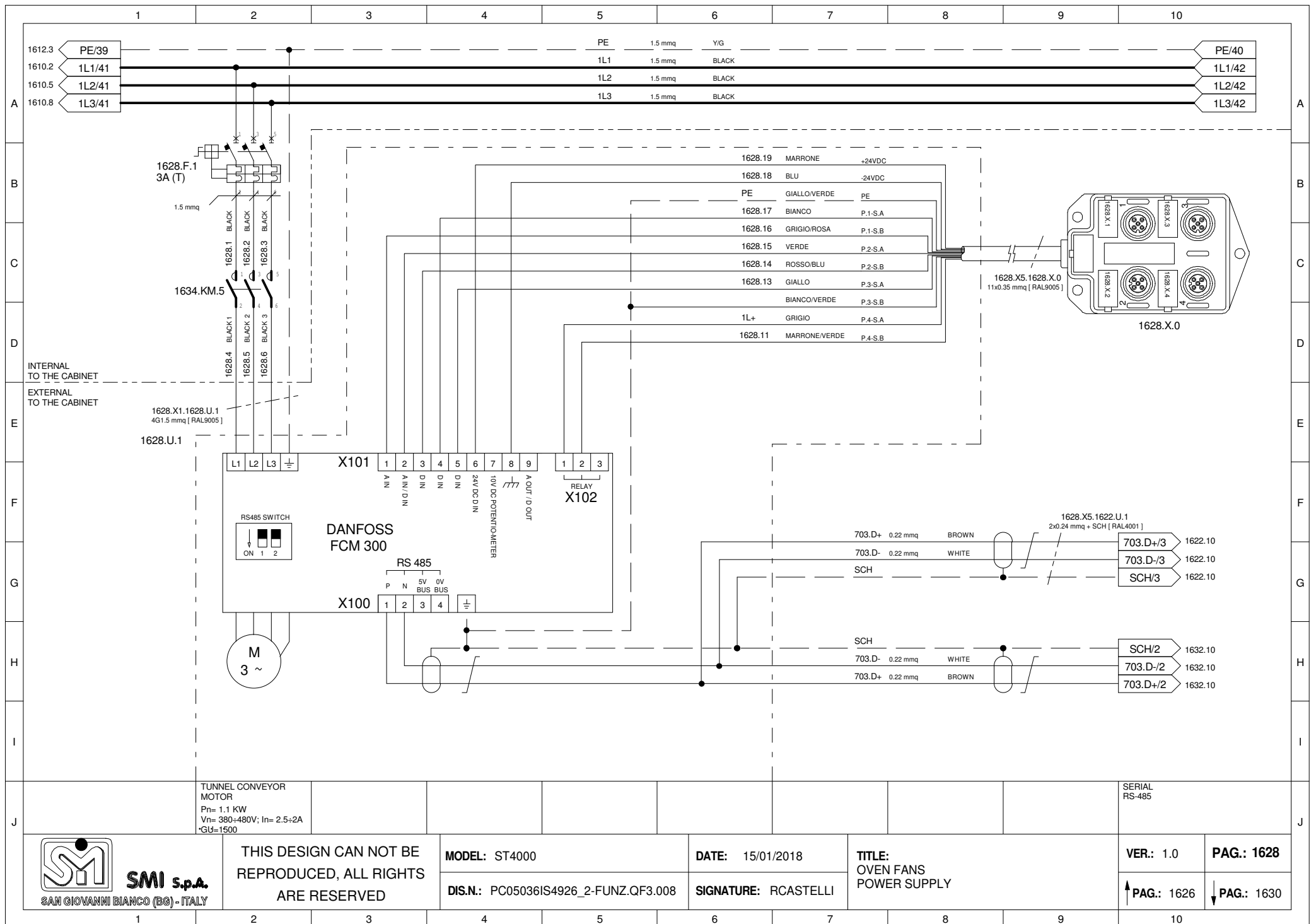








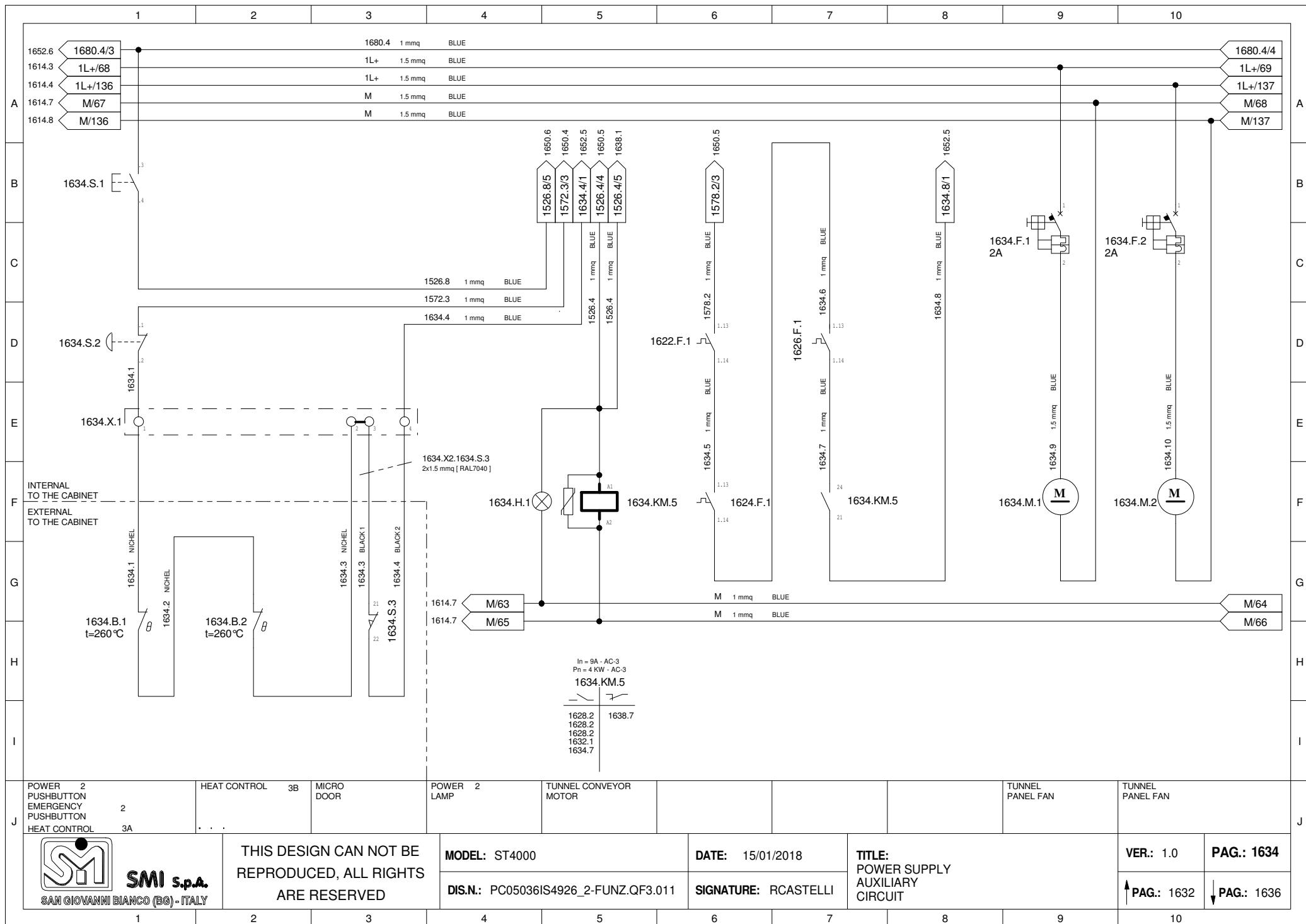


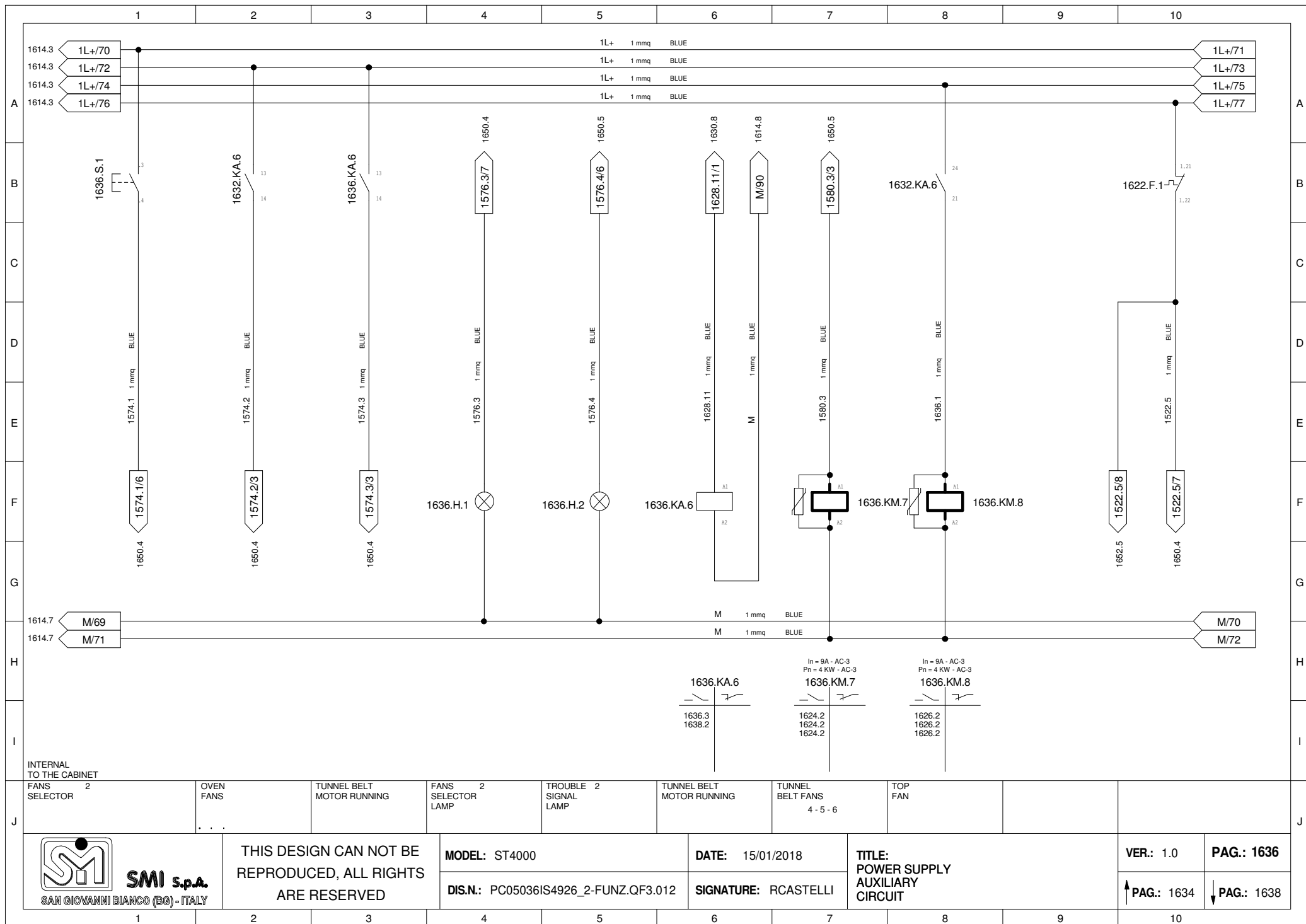


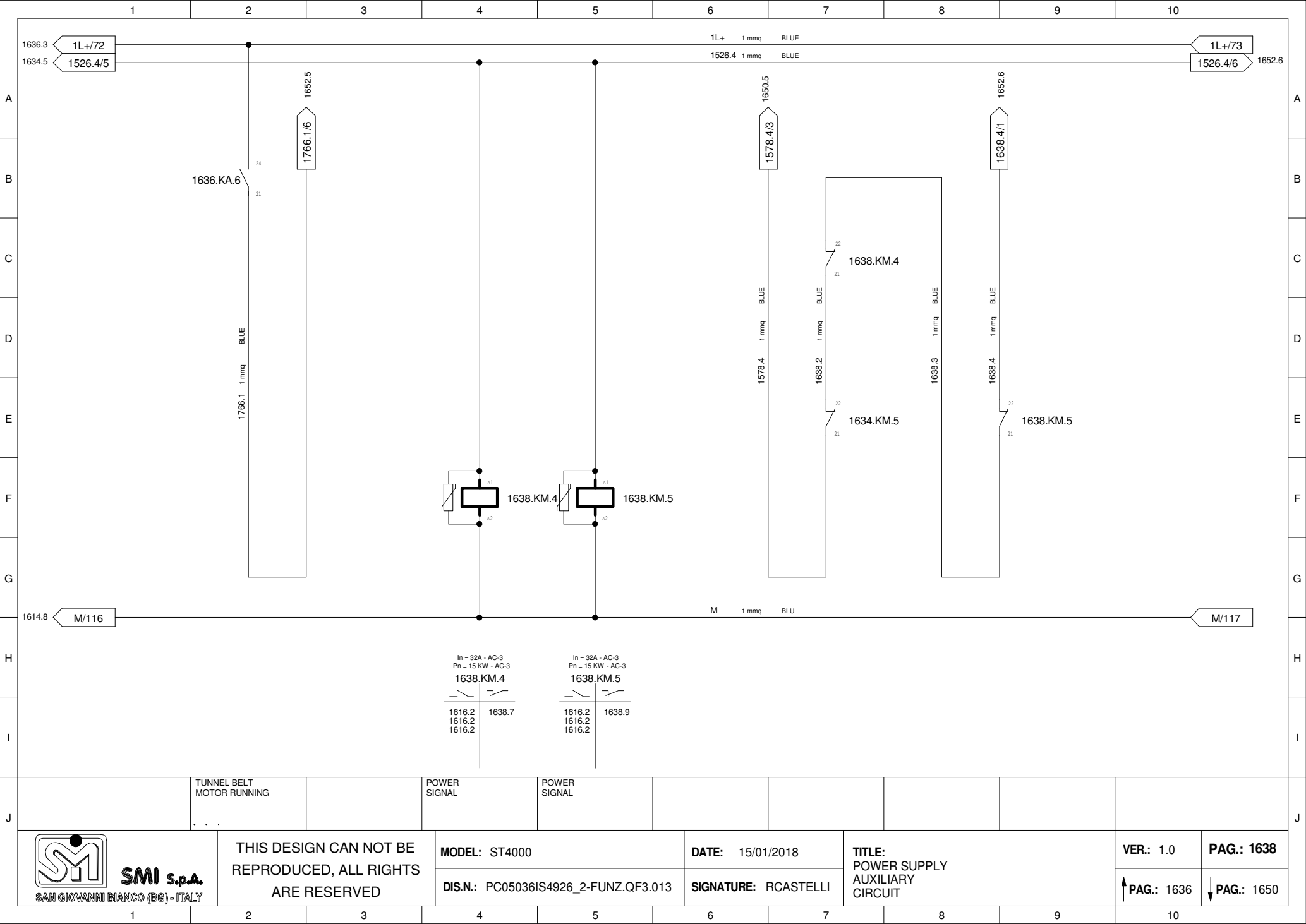













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	 SMI s.p.a. SAN GIOVANNI BIANCO (BG) - ITALY		THIS DESIGN CAN NOT BE REPRODUCED, ALL RIGHTS ARE RESERVED		MODEL: ST4000 DIS.N.: PC05036IS4926_2-FUNZ.QF3.014		DATE: 15/01/2018 SIGNATURE: RCASTELLI		TITLE: CIRCUITS CONNECTION TERMINAL BOARD 2-3		VER.: 1.0 PAG.: 1638	PAG.: 1650 PAG.: 1652
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INTERNAL TO THE CABINET	EXTERNAL TO THE CABINET
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1602.4	1L+/51	1L+	2.5 mmq	BLACK 1	1L+	1 mmq	BLUE	1614.1
1602.4	1L+/52	1L+	2.5 mmq	BLACK 2	1L+	1 mmq	BLUE	1614.1
1602.4	M/46	M	2.5 mmq	BLACK 4	M	1 mmq	BLUE	1614.1
1602.4	M/47	M	2.5 mmq	BLACK 5	M	1 mmq	BLUE	1614.1
1602.5	1522.5/6	1522.5	2.5 mmq	BLACK 7	1522.5	1 mmq	BLUE	1636.10
1602.5	1572.3/2	1572.3	2.5 mmq	BLACK 8	1572.3	1 mmq	BLUE	1634.5
1602.5	1574.1/5	1574.1	2.5 mmq	BLACK 9	1574.1	1 mmq	BLUE	1636.1
1602.5	1574.2/2	1574.2	2.5 mmq	BLACK 10	1574.2	1 mmq	BLUE	1636.2
1602.5	1574.3/2	1574.3	2.5 mmq	BLACK 11	1574.3	1 mmq	BLUE	1636.3
1602.5	1576.3/6	1576.3	2.5 mmq	BLACK 12	1576.3	1 mmq	BLUE	1636.4
1602.6	1576.4/5	1576.4	2.5 mmq	BLACK 13	1576.4	1 mmq	BLUE	1636.5
1602.6	1578.2/2	1578.2	2.5 mmq	BLACK 14	1578.2	1 mmq	BLUE	1634.6
1602.6	1580.3/2	1580.3	2.5 mmq	BLACK 15	1580.3	1 mmq	BLUE	1636.7
1602.6	1632.8/2	1632.8	2.5 mmq	BLACK 16	1632.8	1 mmq	BLUE	1632.1
1602.6	1578.4/2	1578.4	2.5 mmq	BLACK 17	1578.4	1 mmq	BLUE	1638.6
1600.6	1526.4/3	1526.4	2.5 mmq	BLACK 18	1526.4	1 mmq	BLUE	1634.5
1600.6	1526.10/3	1526.10	2.5 mmq	BLACK 19	1526.10	2.5 mmq	BLACK 12	1700.5
1600.7	1628.17/3	1628.17	2.5 mmq	BLACK 20	1628.17	1 mmq	BLACK	1630.2
1600.7	1628.19/3	1628.19	2.5 mmq	BLACK 21	1628.19	1 mmq	BROWN	1630.2
1600.7	1632.6/3	1632.6	2.5 mmq	BLACK 22	1632.6	1 mmq	BLUE	1632.1
1600.7	1678.1/3	1678.1	2.5 mmq	BLACK 23	1678.1	1 mmq	BLUE	1632.10
1600.7	1526.8/4	1526.8	2.5 mmq	BLACK 24	1678.1	2.5 mmq	BLACK 13	1700.6
1602.6	1602.1/1	1602.1	2.5 mmq	BLACK 6	1526.8	1 mmq	BLUE	1634.4
	PE/27	PE	2.5 mmq	Y/G	PE	2.5 mmq	Y/G	1612.2

1602.7	PE/27	PE	2.5 mmq	Y/G	PE	2.5 mmq	Y/G	1612.2
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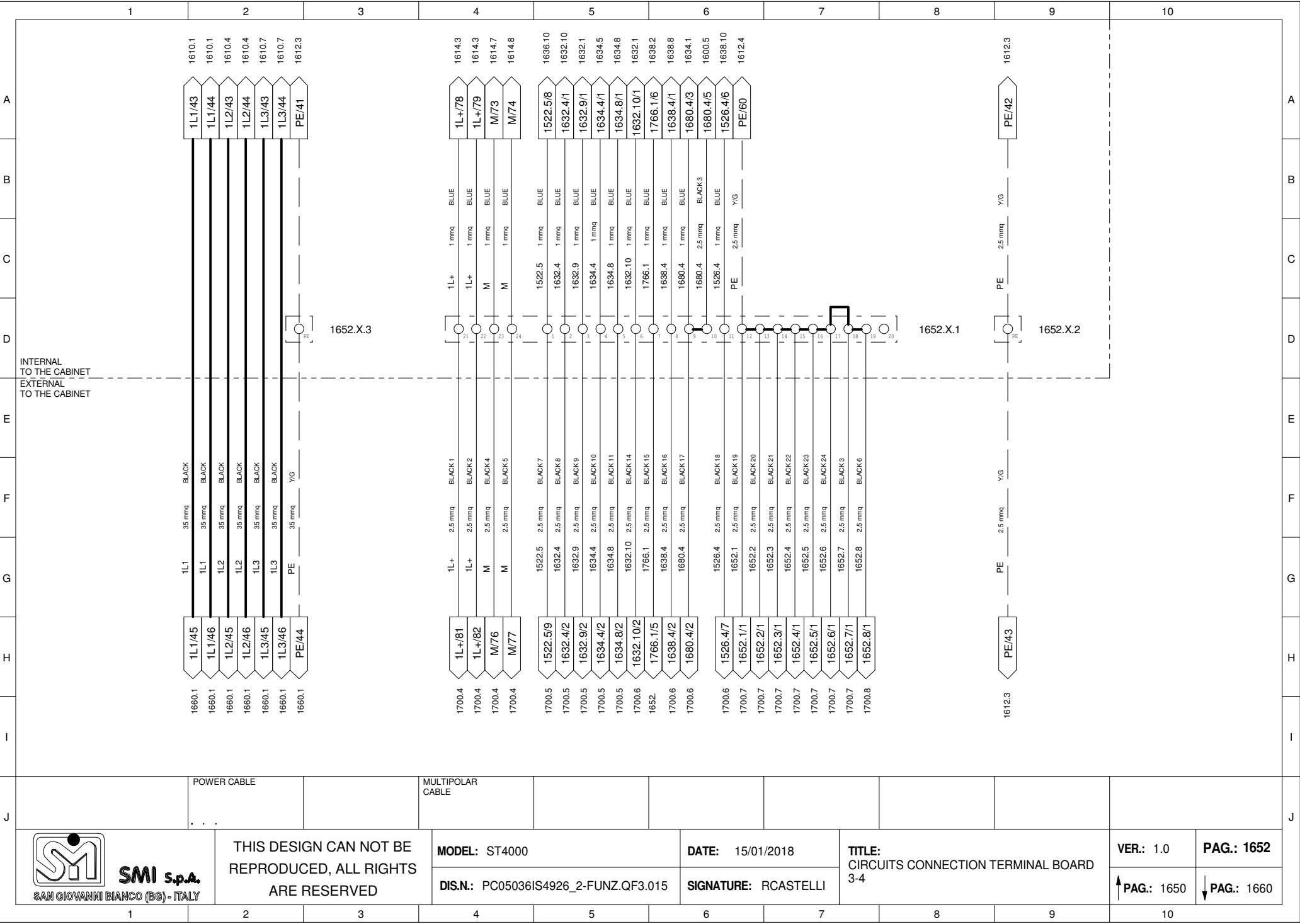
1650.X.1	1650.X.2
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1650.X.2.1602.X.1 25G2.5 mmq [ RAL 9005 ]
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INTERNAL  
TO THE CABINET

EXTERNAL  
TO THE CABINET

1650.X2.1602.X.1  
25G2.5 mmq [ RAL 9005 ]



1700.6

1700.7

1700.7

1700.7

1700.7

1700.7

1700.7

1700.7

1700.8

1526.4/7

1652.1/1

1652.2/1

1652.3/1

1652.4/1

1652.5/1

1652.6/1

1652.7/1

1652.8/1

1526.4

1652.1

1652.2

1652.3

1652.4

1652.5

1652.6

1652.7

1652.8

2.5 mmq

2.5 mmq

2.5 mmq

2.5 mmq

2.5 mmq

2.5 mmq

2.5 mmq

2.5 mmq

2.5 mmq

BLACK 18

BLACK 19

BLACK 20

BLACK 21

BLACK 22

BLACK 23

BLACK 24

BLACK 3

BLACK 6

1612.3

PE/43

PE

2.5 mmq

Y/G

1652.X.1

1612.3

PE/42

PE

2.5 mmq

Y/G

1652.X.2

INTERNAL TO THE CABINET

EXTERNAL TO THE CABINET

POWER CABLE

MULTIPOLAR CABLE

SM

SAN GIOVANNI BIANCO (BG) - ITALY

SMI S.p.A.

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MODEL: ST4000

DIS.N.: PC05036IS4926\_2-FUNZ.QF3.015

DATE: 15/01/2018

SIGNATURE: RCASTELLI

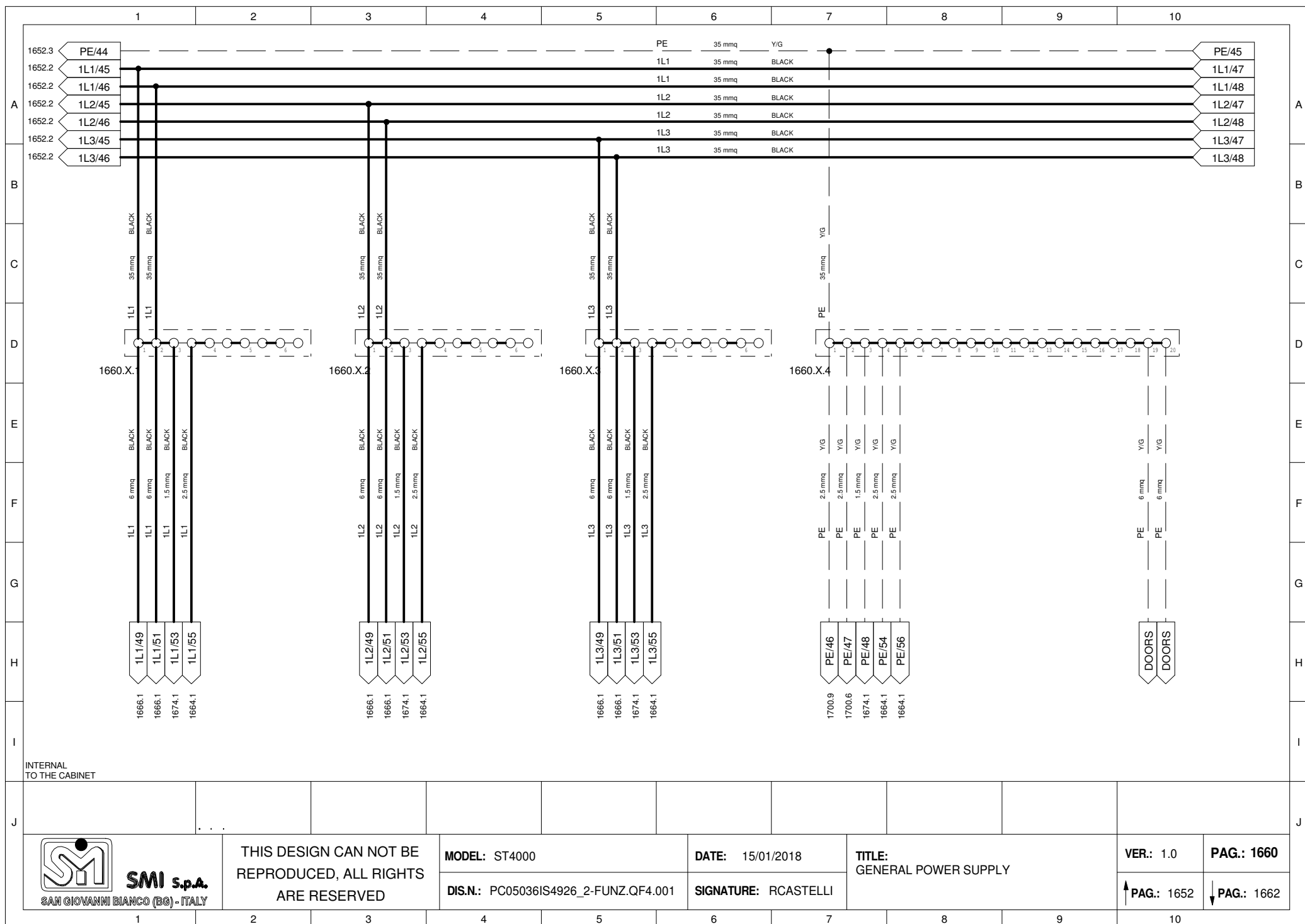
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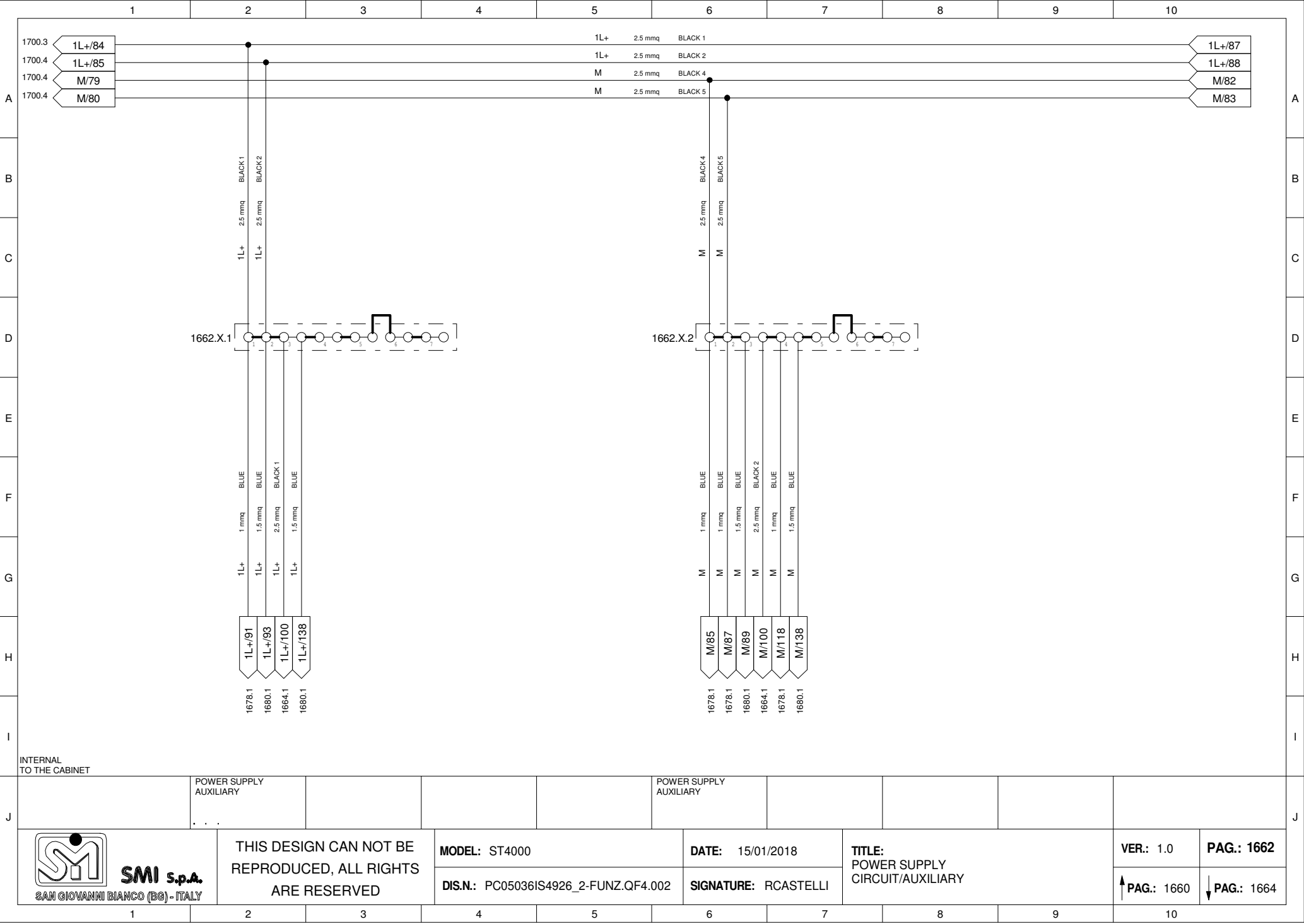
VER.: 1.0

PAG.: 1652

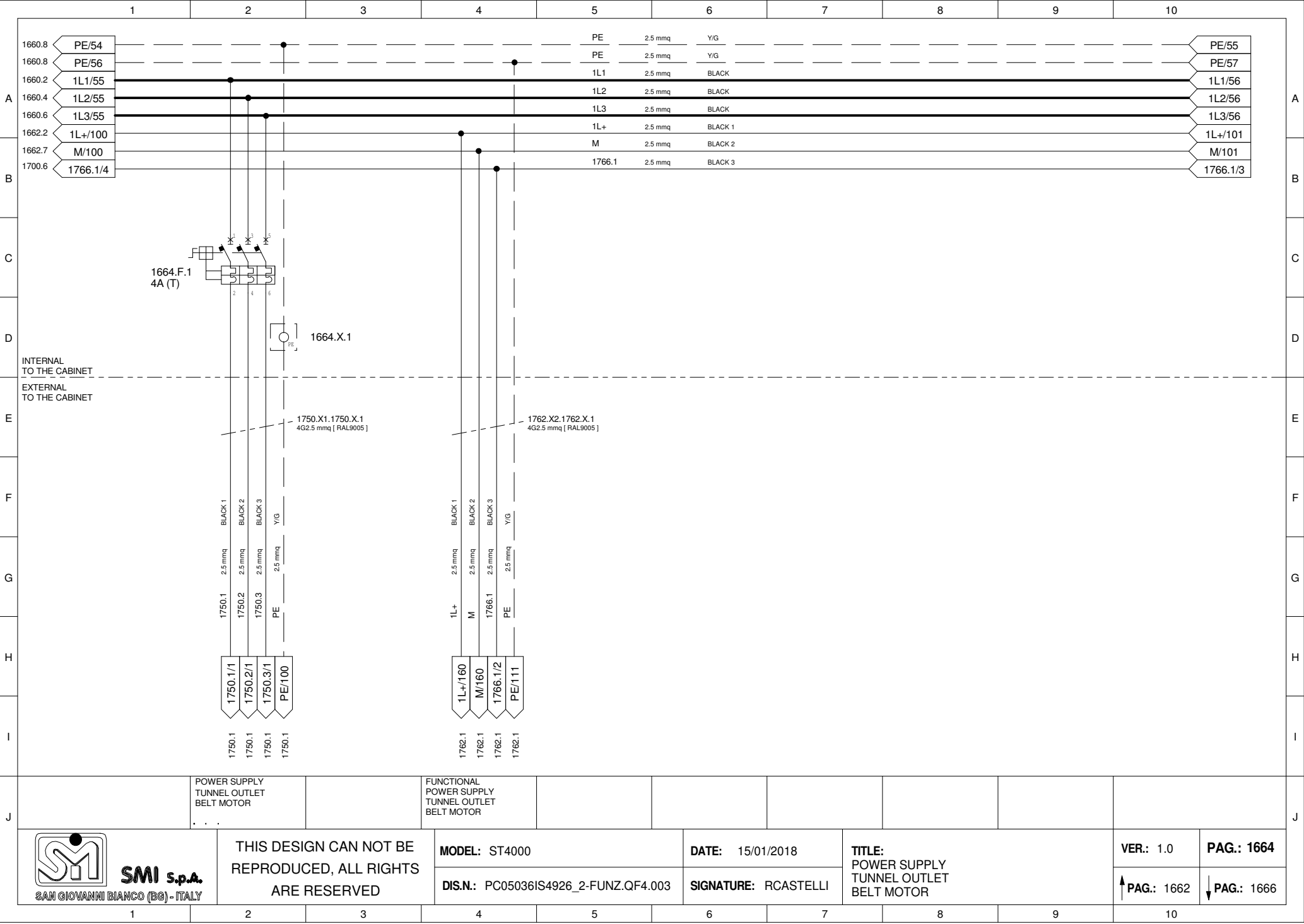
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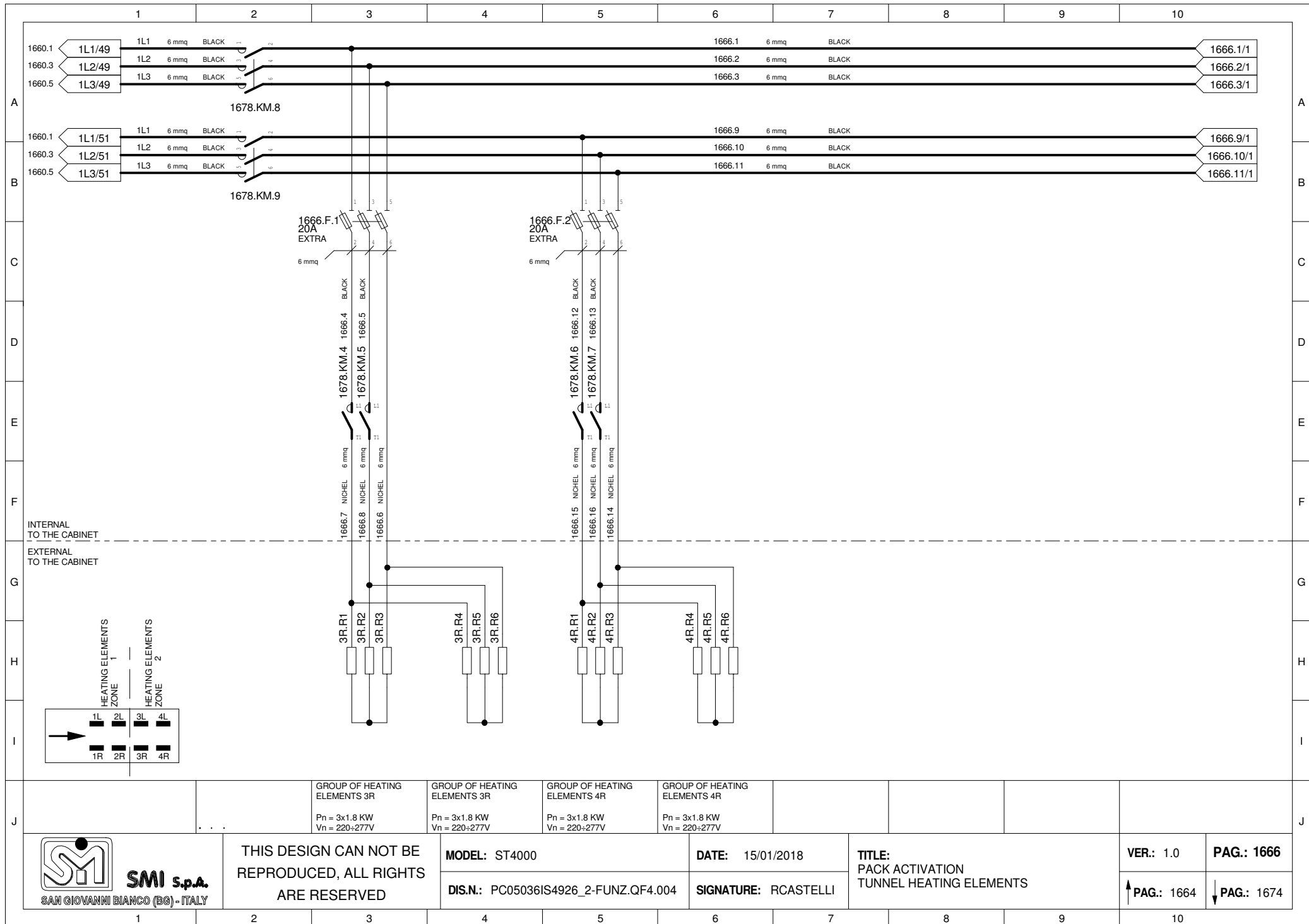
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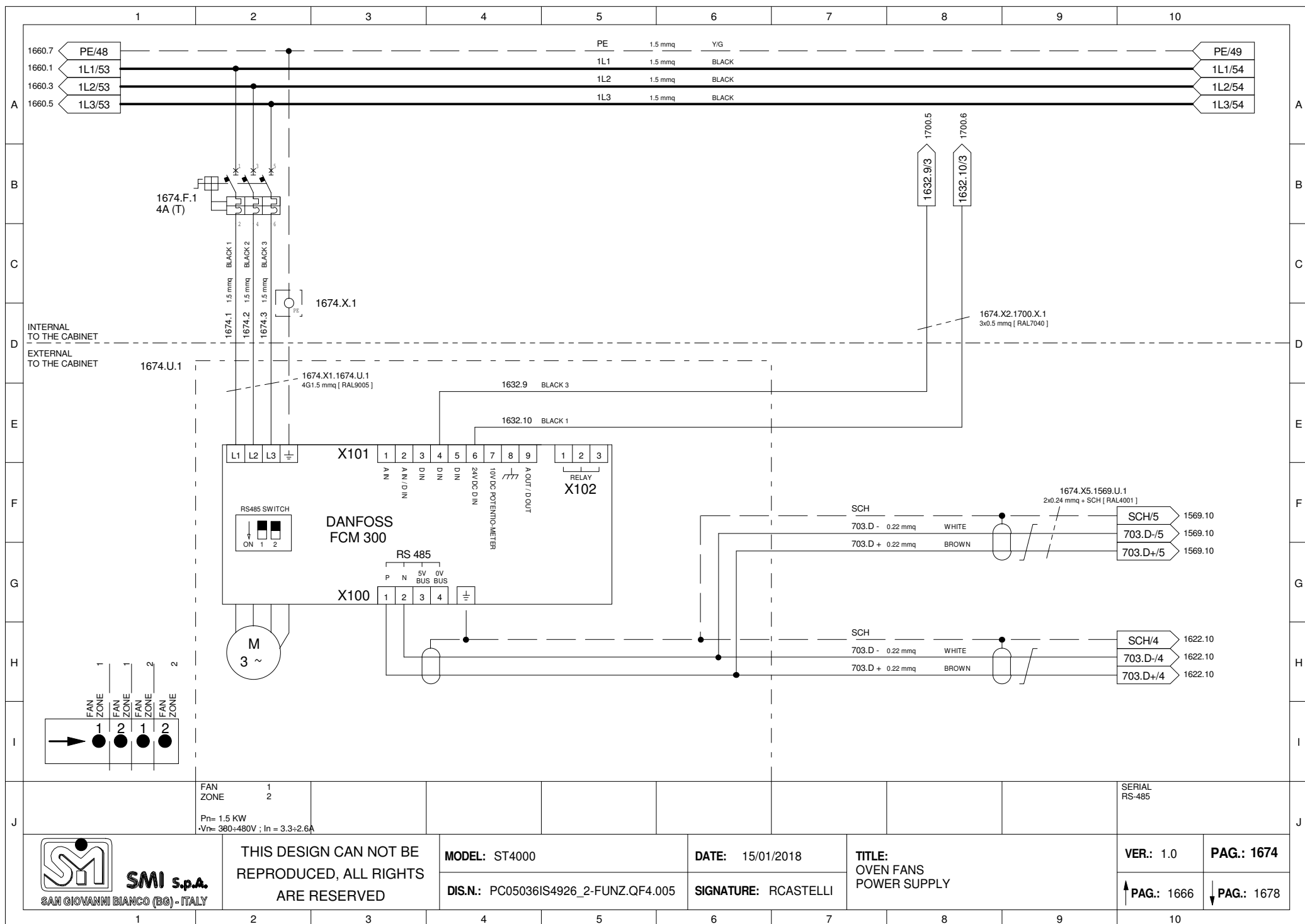


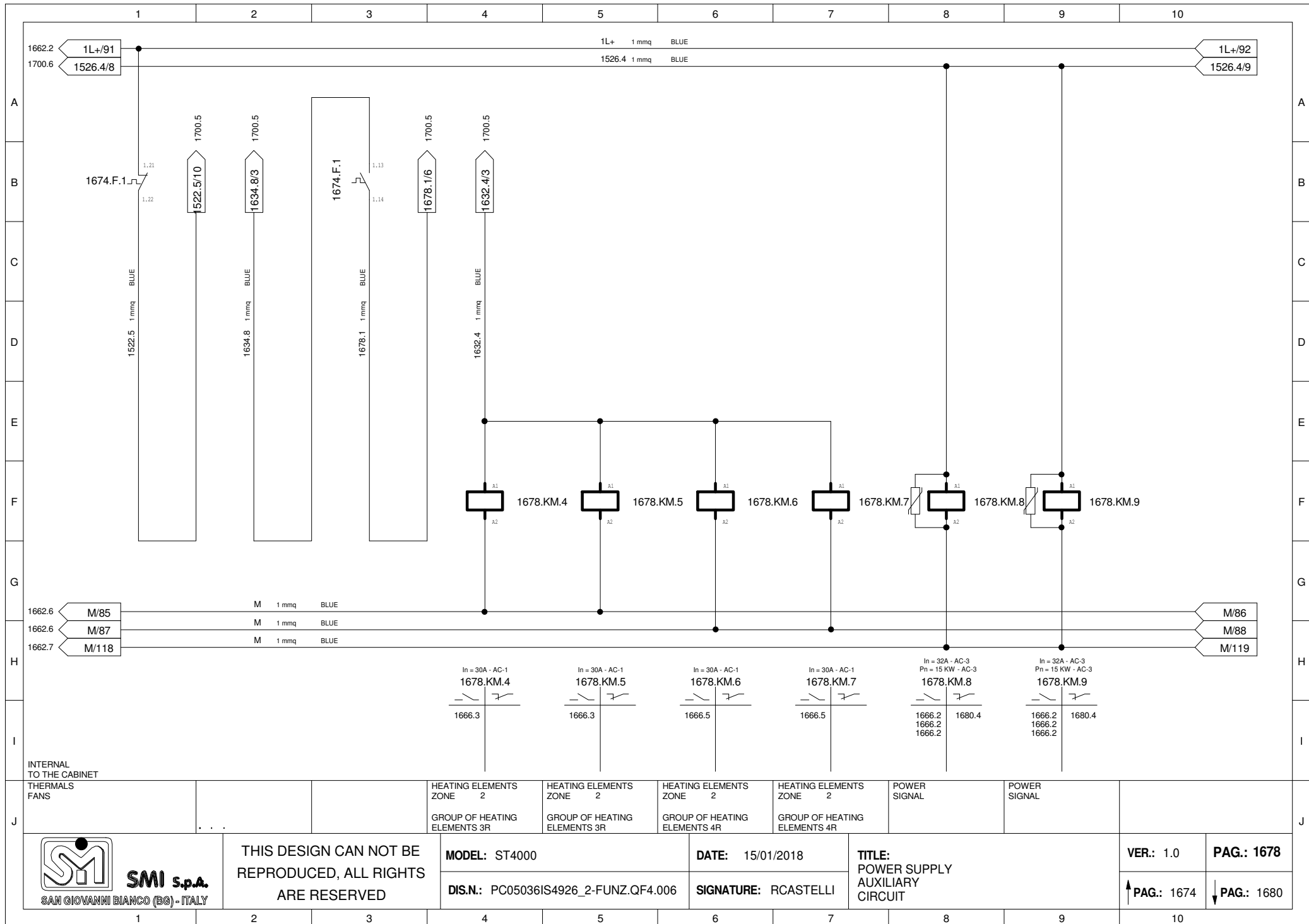


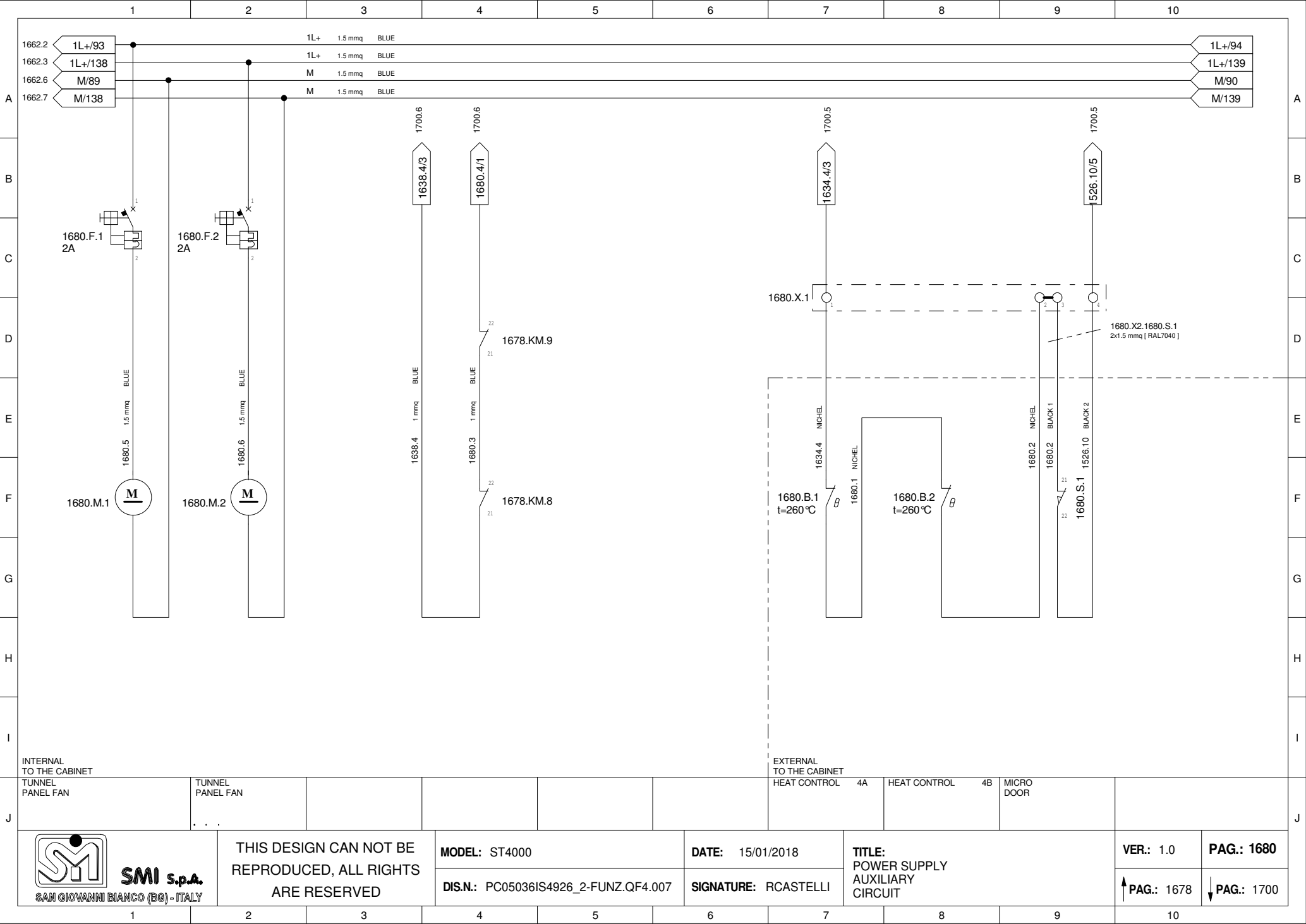












INTERNAL TO THE CABINET

EXTERNAL TO THE CABINET



**SMI** s.p.a.  
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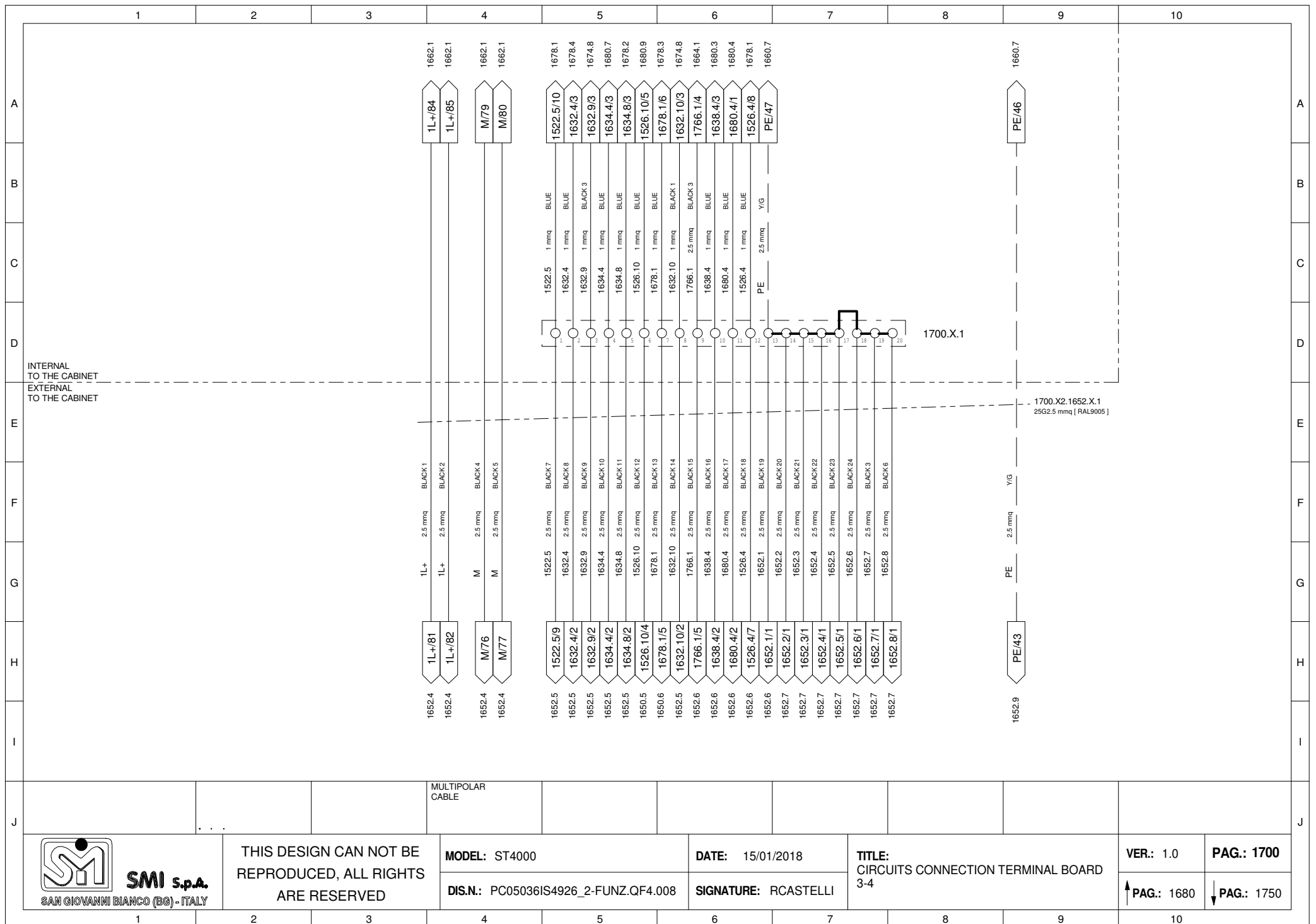
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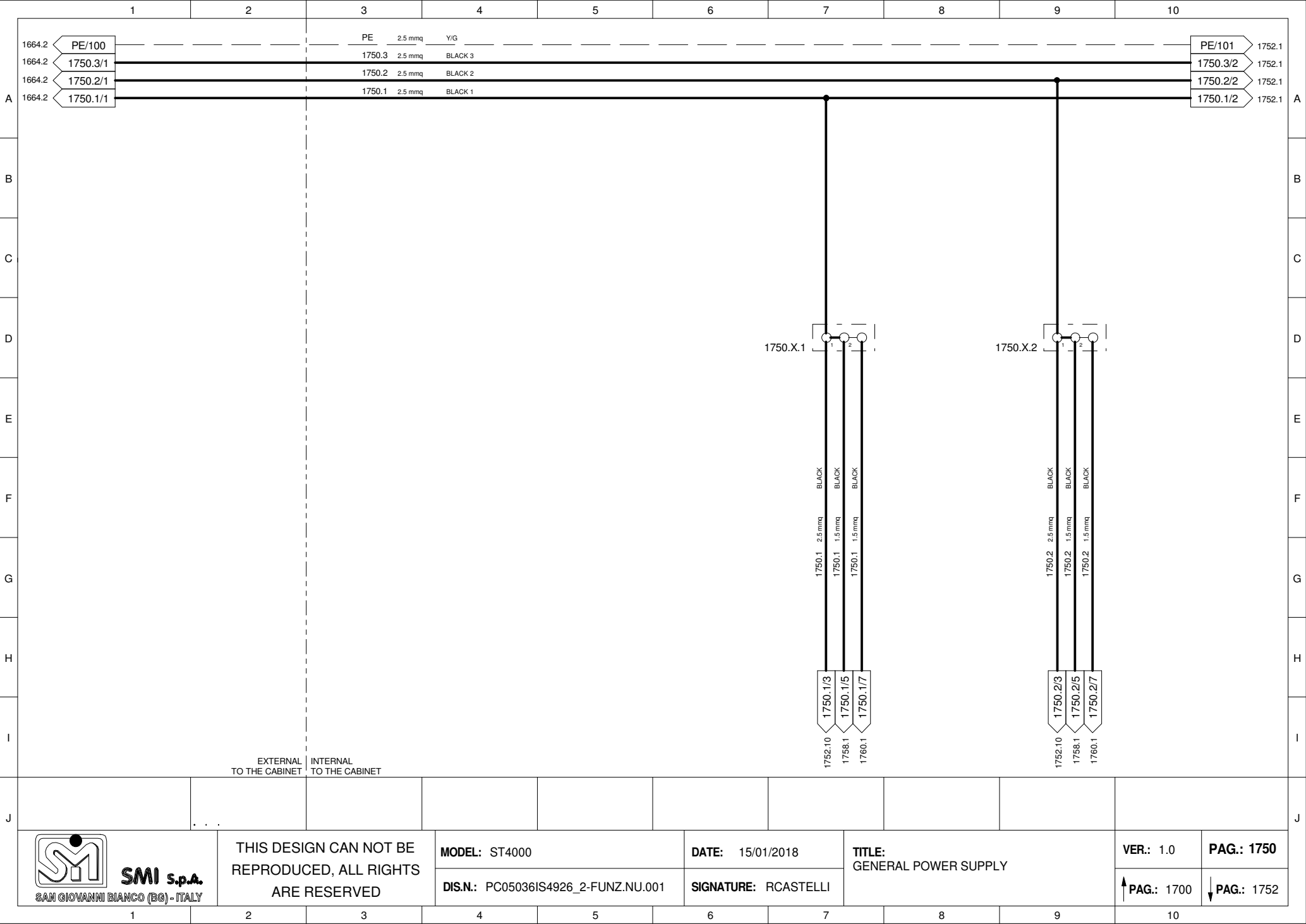
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DIS.N.: PC05036IS4926\_2-FUNZ.QF4.007

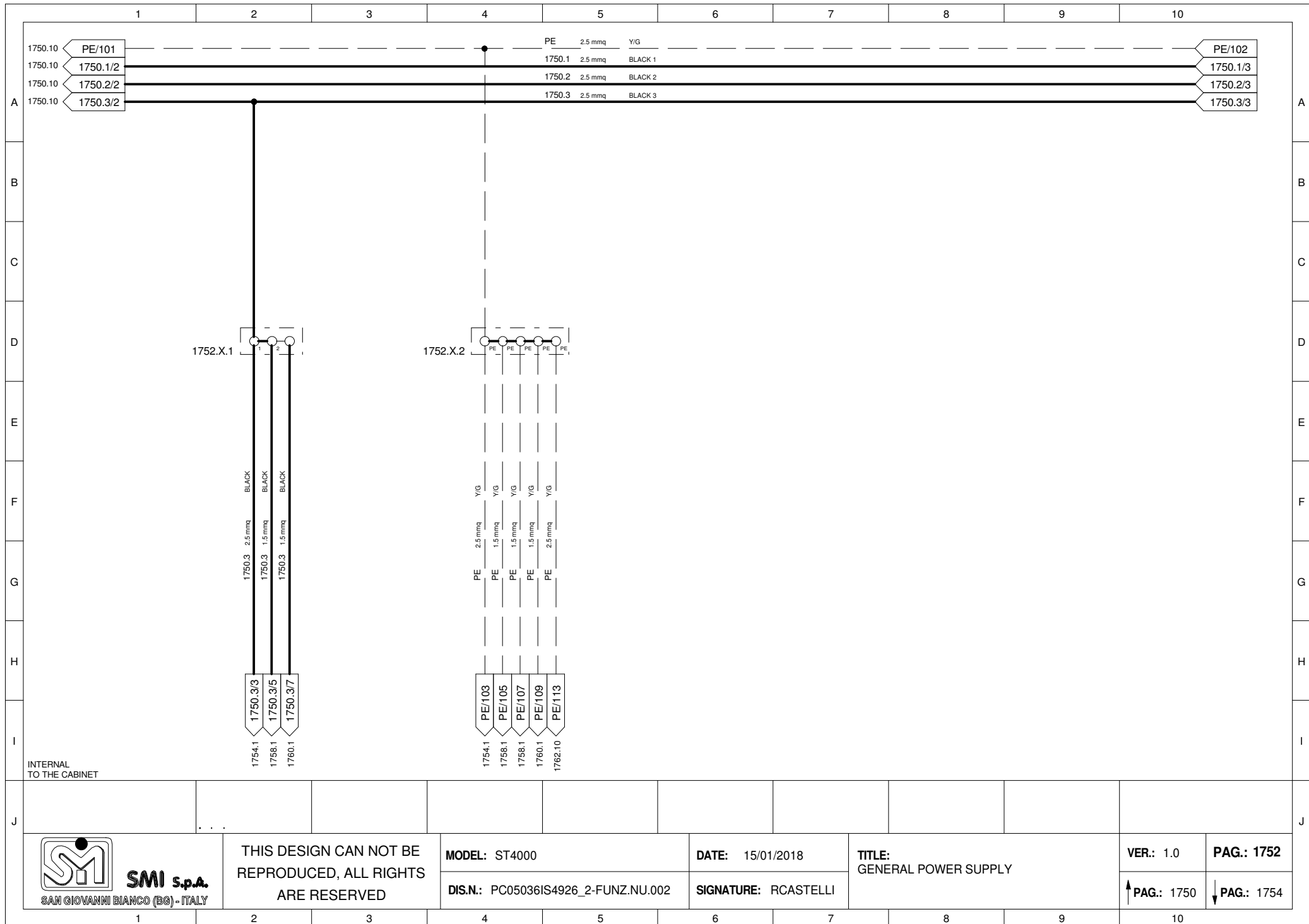
DATE: 15/01/2018  
SIGNATURE: RCASTELLI

TITLE:  
POWER SUPPLY  
AUXILIARY  
CIRCUIT

VER.: 1.0  
PAG.: 1680  
PAG.: 1678  
PAG.: 1700







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**MODEL:** ST4000

**DIS.N.:** PC05036IS4926\_2-FUNZ.NU.002

**DATE:** 15/01/2018

**SIGNATURE:** RCASTELLI

**TITLE:**  
GENERAL POWER SUPPLY

**VER.:** 1.0

**PAG.:** 1752

↑ **PAG.:** 1750

↓ **PAG.:** 1754



