



SRP4015E 230V PD 50/60Hz - CONTROL I

814.0390-0

ATTENTION: This drawing is a SCHULZ COMPRESSORES Ltda property. All rights reserved. Is not allowed to copy its content without authorization. If you have any doubt, please contact Products Department of Schulz Compressors.

---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---
CARLOS.BR	---	---	ANDERSON.SE	---	---	27/01/2020	DRAWING RELEASE	
APPROVED	S.A.P.	Nº	DRAWN	PG	CO	DATE	CHANGEMENT	
REVIEW								

SCHULZ
 SRP4015E 230V PD 50/60Hz - CONTROL I



	NAME	DATE	Title Page	Scale: 1: 1
DRAWN	ANDERSON.SE	20/02/2019		
CHECKED	IDERALDO.CO	27/01/2020		
APPROVED	CARLOS.BR	28/01/2020	CODE: 814.0390-0	PAGE 1 / 5

ATTENTION: This drawing is a SCHULZ COMPRESSORES Ltda property. All rights reserved. Is not allowed to copy its content without authorization. If you have any doubt, please contact Products Department of Schulz Compressors.

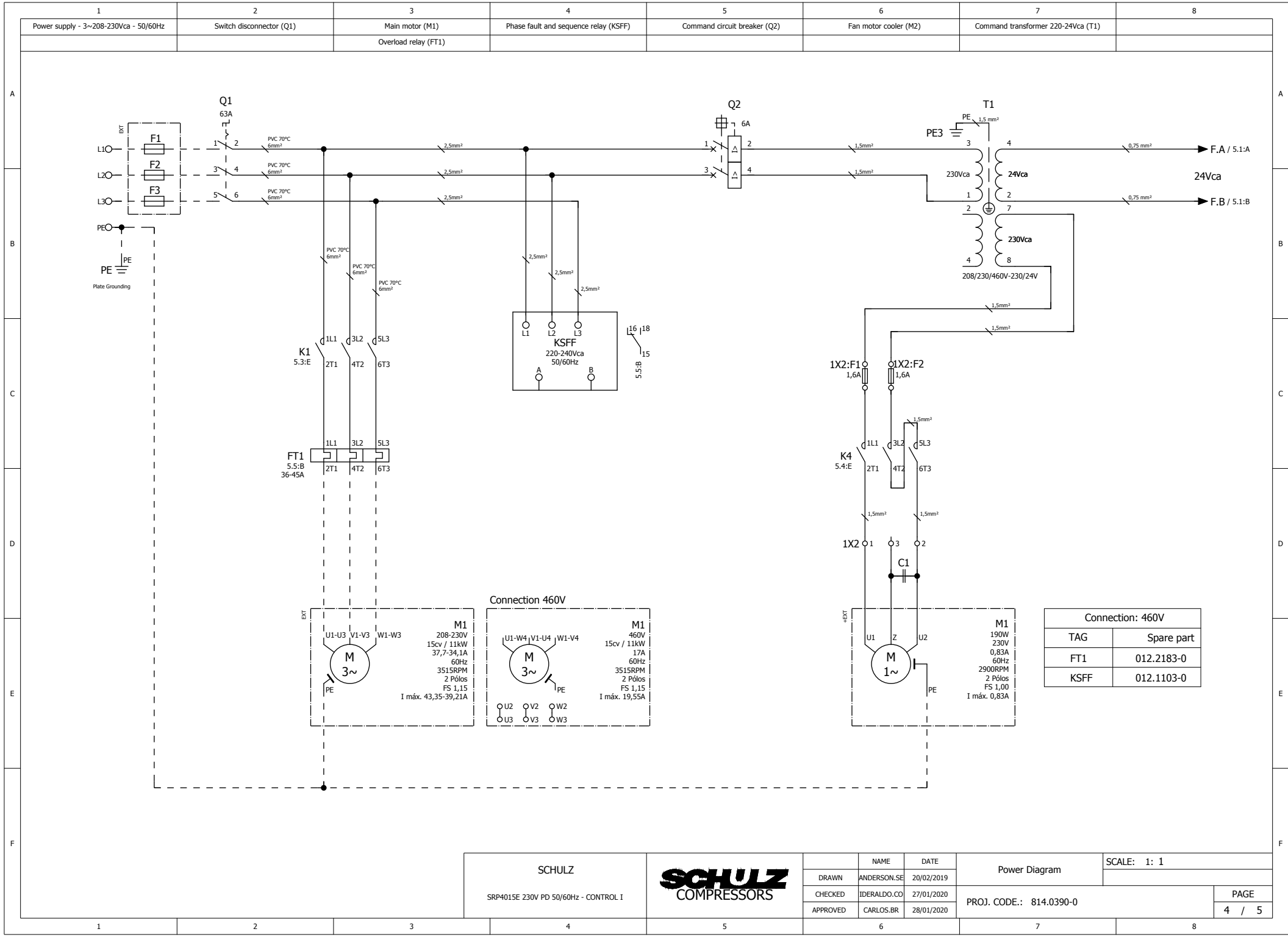
Component	Description
K1	Contactora Line
K2	Contactora Delta
K3	Contactora Star
K4	Contactora Fan
K5	Contactora Dryer
K6	Contactora Fan Enclosure Electric
KA1	Contactora Auxiliary 1
KA2	Contactora Auxiliary 2
KA3	Contactora Auxiliary 3
KA4	Contactora Auxiliary 4
M1	Main motor
M2	Dryer fan (cooler)
M3	Hermetic compressor motor
M4	Fan dryer
M5	Electric panel fan
M6	Electric panel fan
FT1	Overload relay / main motor
FT2	Overload relay / fan cooler
QN	1-pole circuit breaker
QN	2 poles circuit breaker
FN	Command fuse

Component	Description
1X0	Power terminal
1X1	Control terminal / 24 VCA
1X2	Control terminal / 220 VCA
XSN	Bar terminal
TN	Transformer Control
B1	Emergency stop
Y1	Intake solenoid valve
Y2	Solenoid valve for modulating control
Y3	Solenoid valve, slow relief / pneumatic retention
PURG	Electronic condensate drain
KSFF	Phase fault and sequence relay
KTN	Timer relay
H	Hour meter
HN	Signal lamp
TR1	Thermometer / thermostat
P1	Load / Unload pressures switch
P2	Unload pressure switch
P3	Safety pressure switch
P4	Low pressure switch
TP1	Delivery pressure transducer
TP2	Internal pressure transducer

Component	Description
TMP1	Discharge temperature sensor
TMP2	Dryer temperature sensor
KP1	PTC relay
S1	Start button compressor / dryer
S2	Stop button compressor / dryer
QN	Switch disconnect / 3 poles
FTN	Overload relay
CE1	Compressor electronic controller
CE2	Dryer electronic controller
G1	Softstarter
A1	Frequency converter
PWM	PWM 4 ... 20ma converter
PV	Fan pressure switch (dryer)
PA	High pressure switch (dryer)
PB	Low pressure switch (dryer)
TK	Fan overload switch
IM	Differential pressure switch
R1	Heating resistance / main motor
E1	Heating resistance / hermetic compressor
RFO	Oil filter restriction
RFA	Air filter restriction

SCHULZ		SCHULZ COMPRESSORES		NAME	DATE	Legend	SCALE: 1: 1	
SRP4015E 230V PD 50/60Hz - CONTROL I				DRAWN	ANDERSON.SE		20/02/2019	
		CHECKED	IDERALDO.CO	27/01/2020	PROJ. CODE.: 814.0390-0		PAGE	
		APPROVED	CARLOS.BR	28/01/2020			3 / 5	

ATTENTION: This drawing is a SCHULZ COMPRESSORES Ltda property. All rights reserved. Is not allowed to copy its content without authorization. If you have any doubt, please contact Products Department of Schulz Compressors.



SCHULZ
SRP4015E 230V PD 50/60Hz - CONTROL I

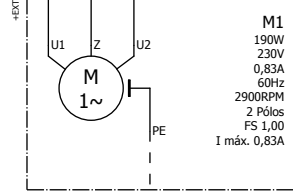
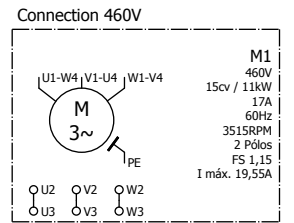
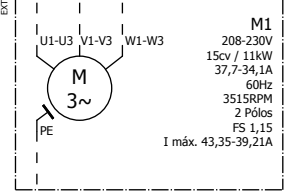


NAME	ANDERSON.SE	DATE	20/02/2019
DRAWN	IDERALDO.CO	CHECKED	27/01/2020
APPROVED	CARLOS.BR		28/01/2020

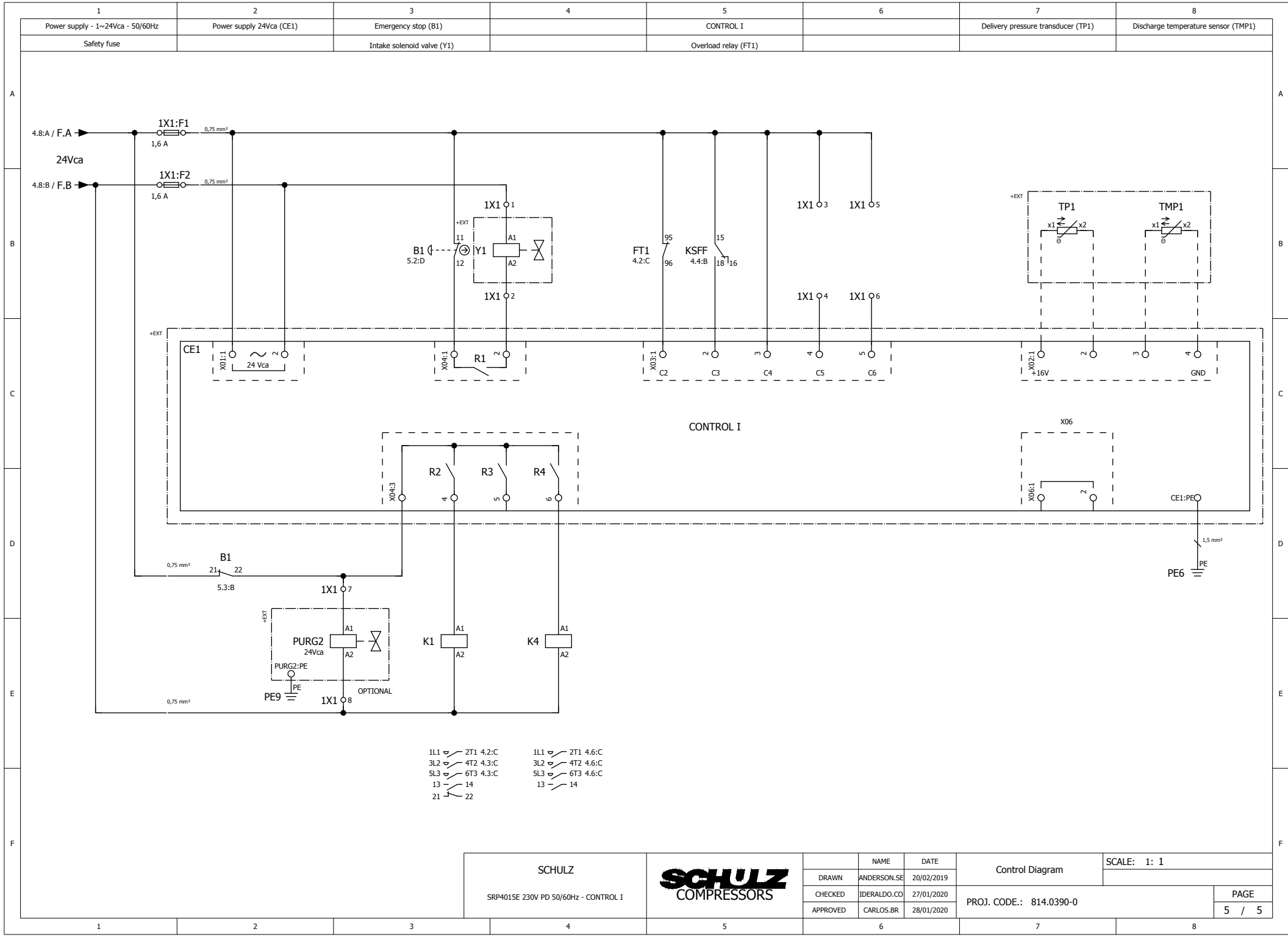
Power Diagram
PROJ. CODE.: 814.0390-0

SCALE: 1: 1	
PAGE	4 / 5

Connection: 460V	
TAG	Spare part
FT1	012.2183-0
KSFF	012.1103-0

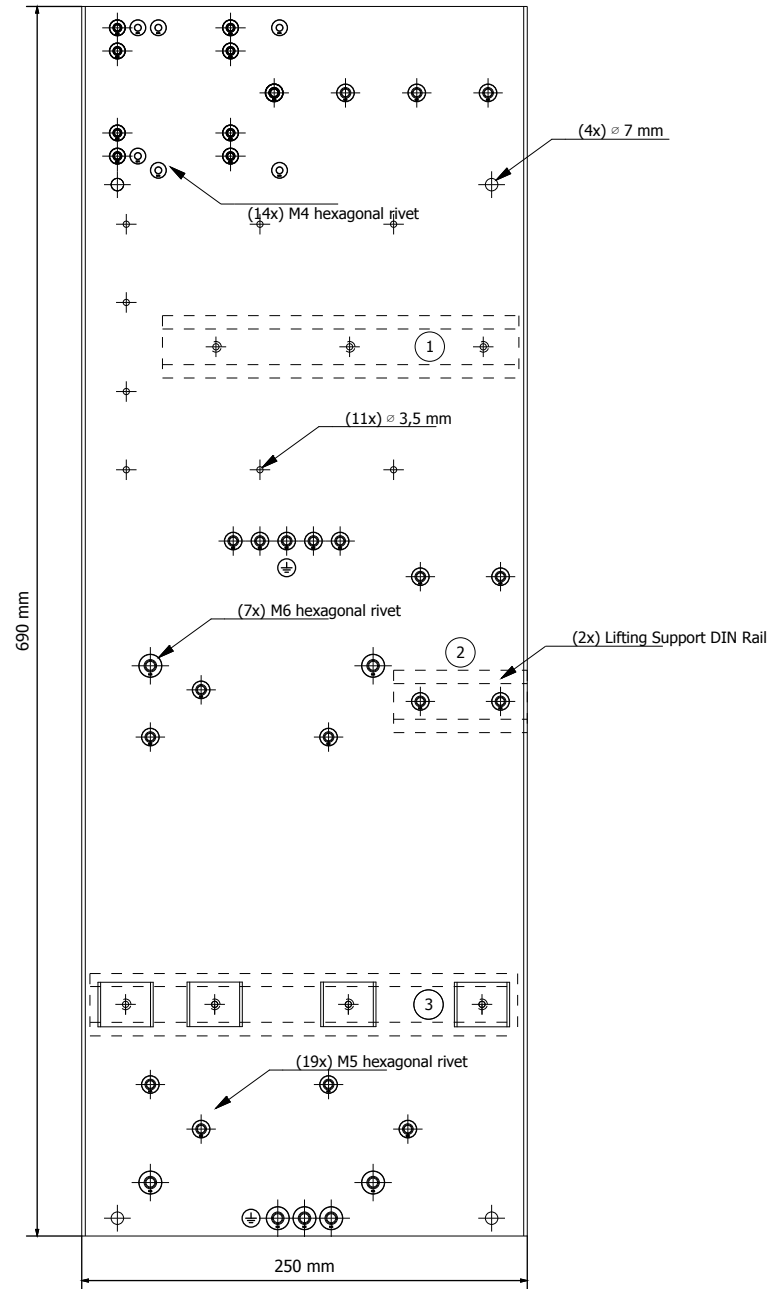
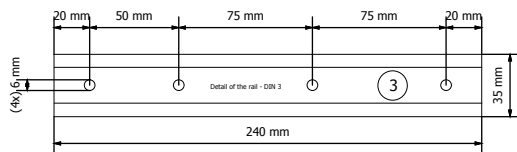
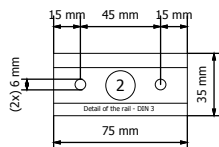
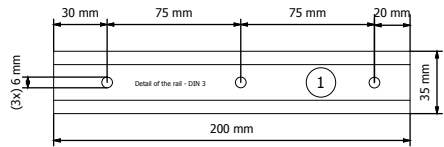


ATTENTION: This drawing is a SCHULZ COMPRESSORES Ltda property. All rights reserved. Is not allowed to copy its content without authorization. If you have any doubt, please contact Products Department of Schulz Compressors.



- 1L1 ⚡ 2T1 4.2:C
- 3L2 ⚡ 4T2 4.3:C
- 5L3 ⚡ 6T3 4.3:C
- 13 — 14
- 21 — 22
- 1L1 ⚡ 2T1 4.6:C
- 3L2 ⚡ 4T2 4.6:C
- 5L3 ⚡ 6T3 4.6:C
- 13 — 14

SCHULZ		SCHULZ COMPRESSORS		NAME	DATE	Control Diagram	SCALE: 1: 1	
SRP4015E 230V PD 50/60Hz - CONTROL I				DRAWN	ANDERSON.SE		20/02/2019	
				CHECKED	IDERALDO.CO	27/01/2020	PROJ. CODE.: 814.0390-0	
				APPROVED	CARLOS.BR	28/01/2020		



ATTENTION: This drawing is a SCHULZ COMPRESSORES Ltda property. All rights reserved. Is not allowed to copy its content without authorization. If you have any doubt, please contact Products Department of Schulz Compressors.

SCHULZ
 SRP4015E 230V PD 50/60Hz - CONTROL I



	NAME	DATE
DRAWN	ANDERSON.SE	20/02/2019
CHECKED	IDERALDO.CO	27/01/2020
APPROVED	CARLOS.BR	28/01/2020

Mounting Plate Layout
 PROJ. CODE.: 814.0390-0

SCALE: 1: 3	PAGE
	7 / 5

ATTENTION: This drawing is a SCHULZ COMPRESSORES Ltda property. All rights reserved. Is not allowed to copy its content without authorization. If you have any doubt, please contact Products Department of Schulz Compressors.

1	2	3	4	5	6	7	8
A	Project tags	Description		Project tags	Description		
	713.1230-0	Base panel, Assembly, SRP 4010/4015 FLEX					
	FT1	Overload relay, 36 - 45A, Size S2					
	K1	Contactor, 50A, 24V AC					
	K4	Contactor, 7A, 24 V AC					
B	KSFF	Overload - RPW - FSF / 220 V AC					
	Q1	Switch disconnecter / 3 poles, 63A					
	Q2	Miniature circuit-breaker, two-pole, 6A, C					
	T1	Transformer Control, 300VA, 208/230/460V - 230/24V, 50/60Hz					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
C	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Terminal, Gray color, 2,5mm ²					
	1X1	Fused terminal, gray color, 2,5mm ²					
	1X1	Fused terminal, gray color, 2,5mm ²					
D	1X2	Terminal, Gray color, 2,5mm ²					
	1X2	Terminal, Gray color, 2,5mm ²					
	1X2	Terminal, Gray color, 2,5mm ²					
	1X2	Fused terminal, gray color, 2,5mm ²					
	1X2	Fused terminal, gray color, 2,5mm ²					
E							
F							

SCHULZ		SCHULZ COMPRESSORS		NAME		DATE		Device tag list		SCALE: 1: 1	
SRP4015E 230V PD 50/60Hz - CONTROL I				DRAWN		ANDERSON.SE		20/02/2019			
				CHECKED		IDERALDO.CO		27/01/2020			
				APPROVED		CARLOS.BR		28/01/2020		PROJ. CODE.: 814.0390-0	
										PAGE 9 / 5	

