

DOKUMENTACE SKUTEČNÉHO PROVEDENÍ

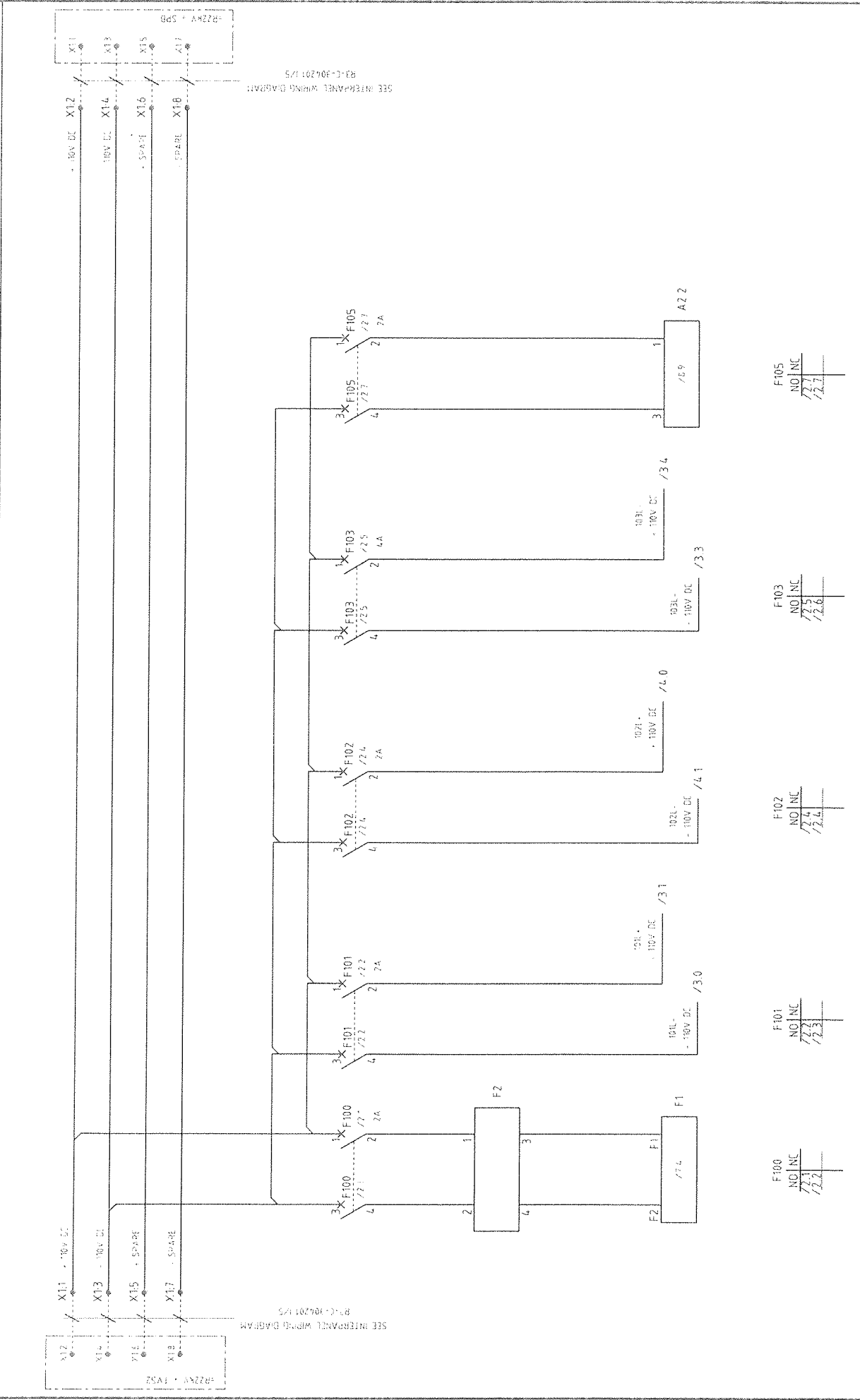
Č.změny	Text změny - odůvodnění	Datum	Podpis



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OBJEDNATEL	Správa železniční dopravní cesty, s.o. a České dráhy a.s. v zastoupení: SŽDC s.o., Stavení správa Olomouc, Nerudova 1, 772 58 Olomouc		
STŘEDISKO	208 ELEKTROTECHNIKY, TRAKCE, SDĚLOVACÍ A ZABEZPEČOVACÍ TECHNIKY	VEDOUcí STŘEDISKA ING. MARTIN RAIBR	GENERÁLNÍ ŘEDITEL ING. JOSEF FIDLER
ODPOVĚDNÝ PROJEKTANT STAVBY	ODPOVĚDNÝ PROJ. OBJ., PS	NAVRHL, VYPRACOVAL	KONTROLOVAL
ING. MONIKA CHRENKOVÁ MCO a.s.	ING. PETR VEČEŘ <i>[Signature]</i>	ING. PETR VEČEŘ <i>[Signature]</i>	ING. KAREL KREMLÁČEK <i>[Signature]</i>
KRAJ	OLOMOUCKÝ	MÚ/OÚ/POVĚŘENÁ OBEC	ŠUMPERK
Elektrizace trati Zábřeh - Šumperk PS 04-09-01 Žst. Šumperk, TM Šumperk, technologie - rozvaděč 22 kV			ÚČEL
			DSP
			DATUM
Obvodové schéma - rozvaděč 22 kV - vývod na usměr. sk. 3 TU3			MĚŘÍTKO
			FORMÁTY
			ČÁST
			D.3.3
			PŘÍL.
			18

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CONTROL MODULE AND PROTECTION			MOTOR OPERATION OF TBS		AUXILIARY SUPPLY				
					OPERATIONAL CIRCUIT INPUTS	OPERATIONAL CIRCUIT OUTPUTS	VOLTAGE INDICATOR		
							VOLTAGE SENSOR 22kV		



CIRCUIT DIAGRAM			MR ŠUMPERK, SWITCHBOARD 22kV			R3-C-304201 XIV			Sheet 2
Project: 304201			Inst. type: SVS-08			Drawing nr			
Date: 08.05.2009			Author: V. THIEL			Date: 08.05.2009			
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LBS		LBS		DISCONNECTOR		DISCONNECTOR		DISCONNECTOR	
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OPENED									

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CODE	DESCRIPTION				MAKE	TYPE	ART NR	CIRCUIT NR	UNIT WIRING DIAGRAM
A2.1	LED VOLTAGE INDICATOR				EATON HOLEC	VDS JB5005 OPT	E569986	/1.3	R3-C-304201 V.7
A2.2	VOLTAGE INDICATOR INTERFACE WITH OPTICAL INPUTS				EATON HOLEC	INT JB OPT	E569991	/8.9	
C23	CAPACITOR				EATON HOLEC			/1.3	
C24	CAPACITOR				EATON HOLEC			/1.3	
C25	CAPACITOR				EATON HOLEC			/1.3	
F1	PROTECTION RELAY				SIEMENS	7SJ6321-5EB92-3HF0-L0R		/7.4	
F2	OVERVOLTAGE RELAY				DEHN / BLITZDUCTOR	BCT MOD BE 110		/2.1	
F6	NO-VOLTAGE RELEASE COIL MEASURINGSET				EATON HOLEC	110V DC		/3.6	
F100	MINIATURE CIRCUIT-BREAKER				MOELLER	FAZ-C2/2-DC, 2A	E6035801	/2.1	
F101	MINIATURE CIRCUIT-BREAKER				MOELLER	FAZ-C2/2-DC, 2A	E6035801	/2.2	
F102	MINIATURE CIRCUIT-BREAKER				MOELLER	FAZ-C2/2-DC, 2A	E6035801	/2.4	
F103	MINIATURE CIRCUIT-BREAKER				MOELLER	FAZ-C4/2-DC, 4A	E6035803	/2.5	
F105	MINIATURE CIRCUIT-BREAKER				MOELLER	FAZ-C2/2-DC, 2A	E6035801	/2.7	
K1	AUXILIARY RELAY				SIEMENS	3RH11 22-1BF40, 110V DC	E569651	/3.6	
K2	AUXILIARY RELAY				SIEMENS	3RH11 22-1BF40, 110V DC	E569651	/3.1	
K6	AUXILIARY RELAY				SIEMENS	3RH11 22-1BF40, 110V DC	E569651	/3.8	
K11	AUXILIARY RELAY				SIEMENS	3RH11 22-1BF40, 110V DC	E569651	/6.4	
M1.1	SPRING-CHARGING AND CLOSING MOTOR				GEFEG	NH8060-20/85-RL, 1.2A, 110V DC	E670367	/1.1	
M1.2	AUXILIARY CONTACTS SPRING CHARGING MOTOR				SCHALTBAU	S 800 E/20	E313196	/1.1	
O1	CIRCUIT-BREAKER				EATON HOLEC				
	AUXILIARY CONTACTS CIRCUIT-BREAKER				SANTON	NVS20AA-2406	E616364	/1.4	
	11-12, 21-22, ... CLOSED ONLY WHEN THE CIRCUIT-BREAKER IS OPEN 13-14, 23-24, ... CLOSED ONLY WHEN THE CIRCUIT-BREAKER IS CLOSED					SBC-1106/54FG			
O2	CHANGEOVER SWITCH				EATON HOLEC				
	AUXILIARY CONTACTS CHANGEOVER SWITCH				SCHALTBAU	S 800 E/20	E313196	/1.5	
	11-12, 21-22 OPENED ONLY IN THE EARTHING POSITION								
	13-14, 23-24 CLOSED ONLY IN THE EARTHING POSITION								
	51-52, 61-62 CLOSED ONLY IN THE OPERATING POSITION 53-54, 63-64 OPENED ONLY IN THE OPERATING POSITION								
S0	PUSH-BUTTON "OFF" (WHITE)				MOELLER	M22S-D-X & M22-XD-W-X0		/9.3	
S1	PUSH-BUTTON "ON" (GREEN) - PADLOCKABLE				MOELLER	M22S-D-G-X1/M22-AK11		/3.6	
S2	AUXILIARY CONTACT CONTROLLED BY THE EARTHING LOCK.				SCHALTBAU				
	11-12 OPENED ONLY WHEN THE CIRCUIT-BREAKER IS USED FOR EARTHING AND IS LOCKED BY KEY.					S 800 E/20	E313196	/3.5	
CODE DESCRIPTION					EATON Holec		R3-C-304201 XIV		Sheet 10
MR SUMPEPK, SWITCHBOARD 22kV					Project 304201	Inst. type SVS-08	Drawn by		
SIGNALBAU - CZECH REPUBLIC							Check 19.06.2009	V. THEL	
							Rev. 15.06.2009	DE JONG	
							Ref.		Replaces

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DESCRIPTION																									
CODE	DESCRIPTION																								
S4	AUXILIARY CONTACT CONTROLLED BY THE SELECTOR. 11-12 CLOSED ONLY WHEN THE SELECTOR IS IN THE LEFT POSITION 13-14 OPENED ONLY WHEN THE SELECTOR IS IN THE LEFT POSITION																								
SA1	SELECTOR SWITCH																								
T1	CURRENT TRANSFORMER																								
T2	CURRENT TRANSFORMER																								
T3	CURRENT TRANSFORMER																								
W1	EARTH CONNECTION																								
X0	TERMINAL STRIP																								
X1	TERMINAL STRIP																								
X2	TERMINAL STRIP																								
X3	TERMINAL STRIP																								
X6	EARTH STRIP																								
X7	EARTH STRIP																								
FX1	TERMINAL STRIP																								
Y1	TRIP COIL																								
Y5	LOCKING COIL ON OPERATING SHAFT OF THE CIRCUIT-BREAKER MECHANICAL CLOSING OF THE CIRCUIT-BREAKER IS ONLY POSSIBLE WITH ENERGISED COIL																								
Y6	ND-VOLTAGE RELEASE COIL																								
MAKE										TYPE										ART NR		CIRCUIT NR		UNIT WIRING DIAGRAM	
SCHALTBAU										S 800 E/20										E313196		/3.3			
KRAUS & NAIMER										CHR10-4												/5.7		R3-C-304201 I/6	
EATON HOLEC										CTS												/1.3			
EATON HOLEC										CTS												/1.3			
EATON HOLEC										CTS												/1.3			
PHOENIX										UK5-TWIN												/12.1			
PHOENIX										UK5-TWIN												/12.4			
PHOENIX										UGSK 6												/13.1			
PHOENIX										UK5-TWIN												/13.2			
PHOENIX										UK5-TWIN												/14.1			
KENDRION										HBMX6060 01A10, 1.2A, 110V DC										E310592		/1.3			
KENDRION										DBMX6040 01N010, 0.14A, 110V DC										E310592		/1.0			
INTROCOM										2.5/0.077A, 110V DC										E651619		/1.2			
Project 304201										EATON Holec										Drawing nr		R3-C-304201 XIV		sheet 11	
Inst. type: SVS-08																				LW		V THEEL			
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CODE DESCRIPTION																									
MR SUMPERK, SWITCHBOARD 22kV																									
SIGNALBAU - CZECH REPUBLIC																									
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