
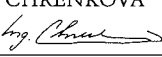


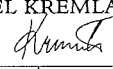


DOKUMENTACE SKUTEČNÉHO PROVEDENÍ

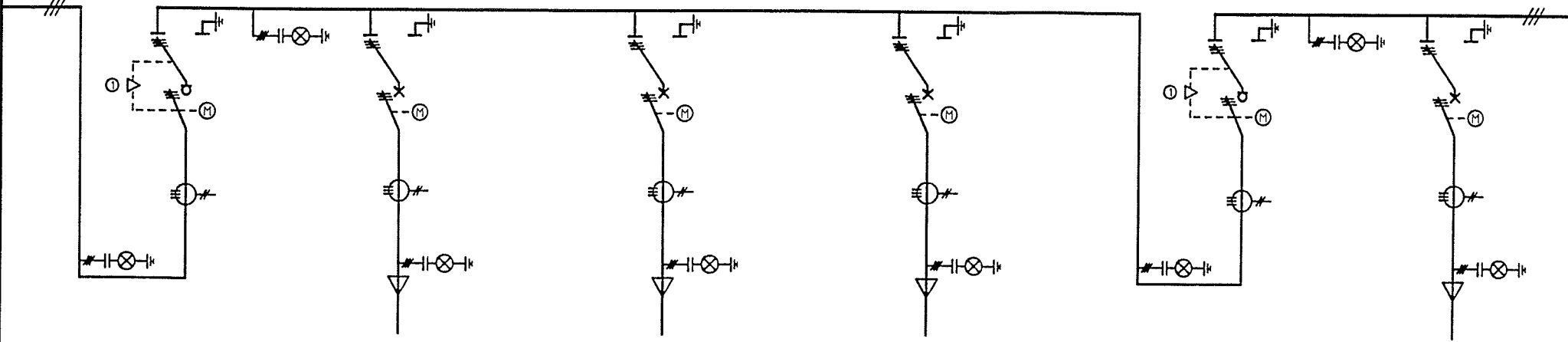
Č.změny	Text změny - odůvodnění	Datum	Podpis



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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 	ING. PETR VEČEŘ 	ING. KAREL KREMLÁČEK 
KRAJ	OLOMOUCKÝ	MÚ/OÚ/POVĚŘENÁ OBEC	ŠUMPERK
<p>Elektrizace trati Zábřeh - Šumperk PS 04-09-01 Žst. Šumperk, TM Šumperk, technologie - rozvaděč 22 kV</p>		ÚČEL	DSP
		DATUM	04/2010
		MĚŘÍTKO	—
		FORMÁTY	A4
<p>Přehledové schéma - rozvaděč 22 kV</p>		ČÁST D.3.3	PŘÍL. 4

	0	1	2		4	5	6	7	8	9						
	1	2	3	4	5	6	7	8	9							
	42604	42605	42606	42607	42608	42609	PANEL / CLIENT'S CODE									
	NVS20AA-2406	MEASURING PANEL	BUSBAR PANEL	NVS20AA-2406	NVS20AA-2406	NVS20AA-2406	NUMBER FIXED PORTION									
	P1	ME1	ME1	SPA	TVS1	TU1	TYPE FIXED PORTION									
	PRIVOD 1	MERENI 1	SBERNICE	SPOJKA PRIPOJNIC	VLASTNI SPOTREBA 1	USM SKUPINA 1	NAME PLATE									
	R3-C-304201 II	R3-C-304201 III	R3-C-304201 IV	R3-C-304201 V	160kVA	5MVA	CIRCUIT DIAGRAM									
	3x300/1A	3x200/5A		3x300/1A	3x50/1A	3x150/1A	CURRENT TRANSFORMERS									
	5VA CL. 5P10	10VA CL. 0,2S FS6		5VA CL. 5P10	5VA CL. 10P10	5VA CL. 5P10										
	PROTECTION	MEASURING		PROTECTION	PROTECTION	PROTECTION										
	1xSIEMENS 7SJ6321-5EB92-3FG0			1xSIEMENS 7SJ6321-5EB92-3FC0	1xSIEMENS 7SJ6321-5EB92-3FA0	1xSIEMENS 7SJ6321-5EB92-3HF0	PROTECTION RELAY									
	1xDEHN BXT ML4 180			1xDEHN BXT ML4 180	1xDEHN BXT ML4 180	1xDEHN BXT ML4 180										
							MEASURING INSTRUMENTS									
							CURRENT INDICATOR									
	3NO/NC			3NO/NC	3NO/NC	3NO/NC	PANEL HEATING									
	2NO/NC			2NO/NC	2NO/NC	2NO/NC	AUXILIARY CONTACTS BREAKER									
	2NO/NC			2NO/NC	2NO/NC	2NO/NC	EARTHING POSITION									
	110V DC			110V DC	110V DC	110V DC	OPERATING POSITION									
							AUX. CONTACTS CHANGEOVER SWITCH									
							AUXILIARY CONTACT ON H.V. FUSES:									
							SPRING-CHARGING AND CLOSING MOTOR									
							SPRING CHARGING MOTOR									
							CLOSING COIL									
							SHUNT TRIP COIL									
							SERIES TRIP COIL									
							NO-VOLTAGE RELEASE COIL									
							LOCKING COIL									
							VOLTAGE TRANSFORMERS									
							SURGE ARRESTER									
							FUSES									
	CONNECTOR SCREW TYPE				CONNECTOR SCREW TYPE	CONNECTOR SCREW TYPE	TYPE									
	XLPE 3x1x... CU				XLPE 3x1x... CU	XLPE 3x1x... CU	CROSS-SECTION									
							CABLES									
							<p>① BREAKER CANNOT BE CLOSED IF CHANGOVER SWITCH IN EARTHING POSITION.</p> <p>NOTE: BUSBAR COUPLING BETWEEN PANEL 6 AND 7</p>									
	DIAGRAM OF SWITCHGEAR						Project: 304201		drw. 08.05.2009		L.W.		drawing nr.		sheet 2	
	MR SUMPERK, SWITCHBOARD 22kV						Inst. type: SVS-08		chec. 17.09.2009		V. THIEL		R3-C-304201 I		8 sh.	
	SIGNALBAU - CZECH REPUBLIC						Eaton Holec Medium Voltage, part of Eaton Electric B.V.		appr. 17.09.2009		DE JONG		Replaces:			
									Ref.:							

0		1		2		4		5		6		7		8		9							
7		8		9		10		11		12		PANEL / CLIENT'S CODE											
42610		42611		42612		42613		42614		42615		NUMBER FIXED PORTION											
SVS14AA-2406		NVS20AA-2406		NVS20AA-2406		NVS20AA-2406		SVS14AA-2406		NVS20AA-2406		TYPE FIXED PORTION											
SP1		T1		TU2		PM		SP1		TVS2		NAME PLATE											
SPOJKA PRIPOJNIC		TRAFOSTANICE T1		USM SKUPINA 2		PREVOZNA MENIRNA		SPOJKA PRIPOJNIC		VLASTNI SPOTREBA 2													
		750kVA + RESERVA		5MVA		5MVA				160kVA		CIRCUIT DIAGRAM											
R3-C-304201 VIII		R3-C-304201 IX		R3-C-304201 X		R3-C-304201 XI		R3-C-304201 XII		R3-C-304201 XIII													
3x300/1A		3x50/1A		3x150/1A		3x150/1A		3x300/1A		3x50/1A		CURRENT TRANSFORMERS											
5VA CL. 5P10		5VA CL. 10P10		5VA CL. 5P10		5VA CL. 5P10		5VA CL. 5P10		5VA CL. 10P10													
PROTECTION		PROTECTION		PROTECTION		PROTECTION		PROTECTION		PROTECTION													
1xSIEMENS 7SJ6321-5EB92-3FC0		1xSIEMENS 7SJ6321-5EB92-3FG0		1xSIEMENS 7SJ6321-5EB92-3HF0		1xSIEMENS 7SJ6321-5EB92-3FG0		1xSIEMENS 7SJ6321-5EB92-3FC0		1xSIEMENS 7SJ6321-5EB92-3FA0		PROTECTION RELAY											
1xDEHN BXT ML4 180		1xDEHN BXT ML4 180		1xDEHN BXT ML4 180		1xDEHN BXT ML4 180		1xDEHN BXT ML4 180		1xDEHN BXT ML4 180		MEASURING INSTRUMENTS											
												CURRENT INDICATOR											
												PANEL HEATING											
3NO/NC		3NO/NC		3NO/NC		3NO/NC		3NO/NC		3NO/NC		AUXILIARY CONTACTS BREAKER											
2NO/NC		2NO/NC		2NO/NC		2NO/NC		2NO/NC		2NO/NC		EARTHING POSITION											
2NO/NC		2NO/NC		2NO/NC		2NO/NC		2NO/NC		2NO/NC		OPERATING POSITION											
												AUXILIARY CONTACT ON H.V. FUSES:											
110V DC		110V DC		110V DC		110V DC		110V DC		110V DC		SPRING-CHARGING AND CLOSING MOTOR											
												SPRING CHARGING MOTOR											
												CLOSING COIL											
110V DC		110V DC		110V DC		110V DC		110V DC		110V DC		SHUNT TRIP COIL											
110V DC		110V DC		110V DC		110V DC		110V DC		110V DC		SERIES TRIP COIL											
110V DC		110V DC		110V DC		110V DC		110V DC		110V DC		NO-VOLTAGE RELEASE COIL											
												LOCKING COIL											
												VOLTAGE TRANSFORMERS											
												SURGE ARRESTER											
												FUSES											
		CONNECTOR SCREW TYPE		CONNECTOR SCREW TYPE		CONNECTOR SCREW TYPE				CONNECTOR SCREW TYPE		TYPE		CABLES									
		XLPE 3x1x... CU		XLPE 3x1x... CU		XLPE 3x1x... CU				XLPE 3x1x... CU		CROSS-SECTION											
												① BREAKER CANNOT BE CLOSED IF CHANGOVER SWITCH IN EARTHING POSITION.											
												NOTE: BUSBAR COUPLING BETWEEN PANEL 6 AND 7 NOTE: BUSBAR COUPLING BETWEEN PANEL 12 AND 13											
C		AF FABRIEK		17.09.2009		L.W.		Project: 304201				drw.		08.05.2009		L.W.		drawing nr.		C		sheet 3	
B		N.A.V. KL.WIJZIGING E		17.07.2009		L.W.		Inst. type: SVS-08				chec.		17.09.2009		V. THIEL		R3-C-304201 I		B			
A		CORRECTION		19.06.2009		IG						appr.		17.09.2009		DE JONG				A		8 sh.	
rev.		rev. description		date		by		MR SUMPERK, SWITCHBOARD 22kV SIGNALBAU - CZECH REPUBLIC				Eaton Holec Medium Voltage, part of Eaton Electric B.V.				Ref.:				Replaces:			

0		1		2		4		5		7		8		9	
13		14		15		16		17				PANEL / CLIENT'S CODE			
42616		42617		42618		42619		42620				NUMBER FIXED PORTION			
NVS20AA-2406		NVS20AA-2406		BUSBAR PANEL		MEASURING PANEL		NVS20AA-2406				TYPE FIXED PORTION			
TU3		SPB		ME2		ME2		P2							
USM SKUPINA 3		SPOJKA PRIPOJNIC		SBERNICE		MERINI 2		PRIVOD 2 - VYPINAC				NAME PLATE			
5MVA															
R3-C-304201 XIV		R3-C-304201 XV		R3-C-304201 XVIII		R3-C-304201 XVI		R3-C-304201 XVII				CIRCUIT DIAGRAM			
3x150/1A		3x300/1A				3x200/5A		3x300/1A							
5VA CL. 5P10		5VA CL. 5P10				10VA CL. 0,2S FS6		5VA CL. 5P10							
PROTECTION		PROTECTION				MEASURING		PROTECTION				CURRENT TRANSFORMERS			
1xSIEMENS 7SJ6321-5EB92-3HF0		1xSIEMENS 7SJ6321-5EB92-3FC0						1xSIEMENS 7SJ6321-5EB92-3FG0				PROTECTION RELAY			
1xDEHN BXT ML4 180		1xDEHN BXT ML4 180						1xDEHN BXT ML4 180							
												MEASURING INSTRUMENTS			
												CURRENT INDICATOR			
												PANEL HEATING			
3NO/NC		3NO/NC						3NO/NC				AUXILIARY CONTACTS BREAKER			
2NO/NC		2NO/NC						2NO/NC				EARTHING POSITION		AUX. CONTACTS CHANGEOVER SWITCH	
2NO/NC		2NO/NC						2NO/NC				OPERATING POSITION			
												AUXILIARY CONTACT ON H.V. FUSES:			
110V DC		110V DC						110V DC				SPRING-CHARGING AND CLOSING MOTOR			
												SPRING CHARGING MOTOR			
												CLOSING COIL			
110V DC		110V DC						110V DC				SHUNT TRIP COIL			
												SERIES TRIP COIL			
110V DC		110V DC						110V DC				NO-VOLTAGE RELEASE COIL			
110V DC		110V DC						110V DC				LOCKING COIL			
												VOLTAGE TRANSFORMERS			