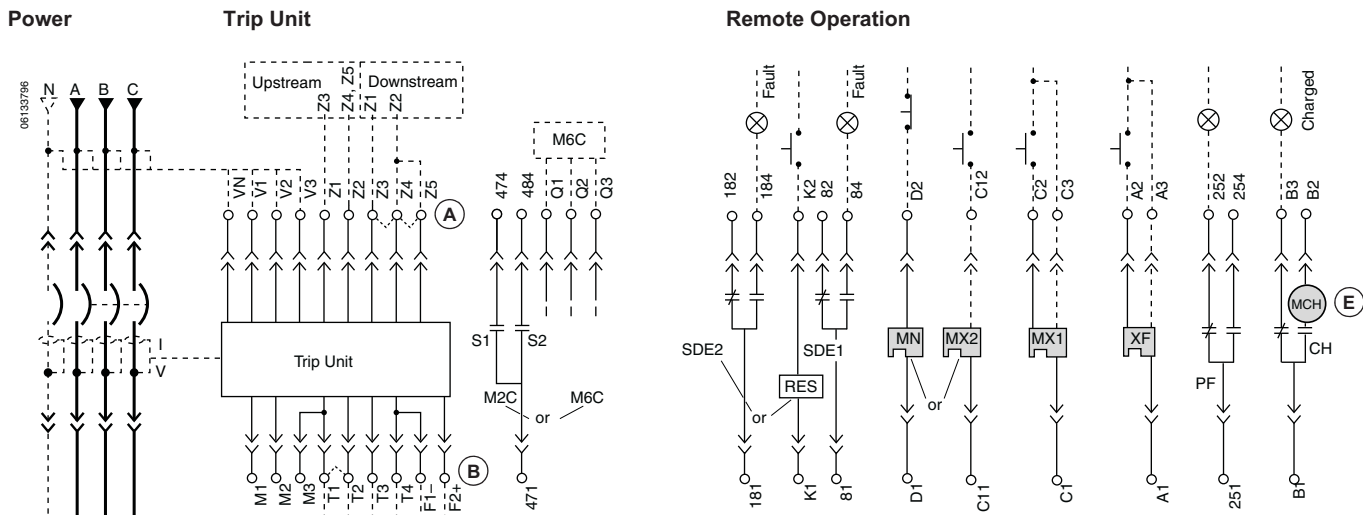


Masterpact™ NT and NW Universal Power Circuit Breakers
Wiring Diagrams

Wiring Diagrams for Masterpact™ NW Circuit Breakers

Figure 16: Wiring Diagrams for Masterpact NW Circuit Breakers



- A—Do not remove factory-installed jumpers between Z3, Z4 and Z5 unless ZSI is connected.
- B—Do not remove factory-installed jumper between T1 and T2 unless neutral CT is connected. Do not install jumper between T3 and T4.
- C—For proper wiring of neutral CT, refer to Instruction Bulletin 48041-082-01 shipped with it.
- D—24 Vdc power supply for trip unit must be separate and isolated from 24 Vdc power supply for communication modules.
- E—When remote operation features are used, make sure there is a minimum of four seconds for the spring charging motor (MCH) to completely charge the circuit breaker closing springs prior to actuating the shunt close (XF) device.

Table 54: Markings for Push-In Type Terminals

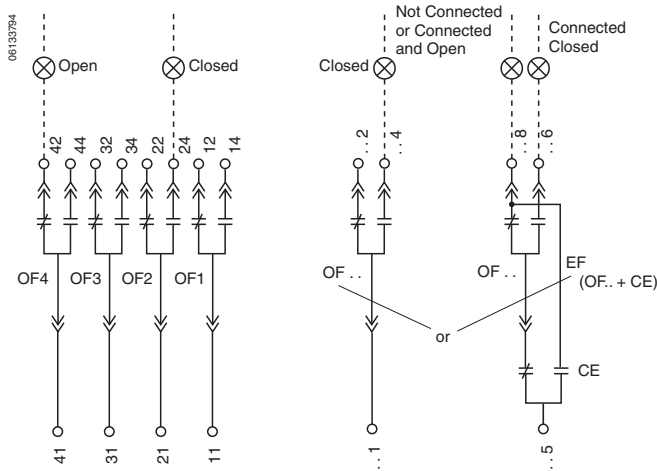
Cell Switches			Trip Unit									Cell Switches			Remote Operation						
CD3	CD2	CD1	COM	UC1	UC2	UC3	UC4	M2C/M6C	SDE2/RES	SDE1	CE3	CE2	CE1	MN/MX2	MX1	XF	PF	MCH			
834	824	814	E5	E6	Z5	M1	M2	M3	F2+	V3	484/Q3	184/K2	84	334	324	314	D2/C12	C2	A2	254	B2
832	822	812	E3	E4	Z3	Z4	T3	T4	VN	V2	474/Q2	182	82	332	322	312	C13	C3	A3	252	B3
831	821	811	E1	E2	Z1	Z2	T1	T2	F1-	V1	471/Q1	181/K1	81	331	321	311	D1/C11	C1	A1	251	B1
or																					
CE6	CE5	CE4																			
364	354	344																			
362	352	342																			
361	351	341																			

Table 55: Markings for Ring Terminals

Cell Switches			Trip Unit										Remote Operation							
CD3	CD2	CD1	COM		UC1	UC2	UC3	UC3a	M2C/M6C	SDE2/RES	SDE2a	SDE1	SDE1a	MN/MX2	MX1	MX1a	XF	XFa		
834/832	824/822	814/812	E5	E6	Z5	M1	M2	M3	F2+	VN	484/Q3	184/K2	182	84	82	D2/C12	C2	C3	A2	A3
831	821	811	E3	E4	Z3	Z4	T3	T4	F1—		471/Q1	181/K1		81		D1/C11	C1		A1	
			E1	E2	Z1	Z2	T1	T2												

Masterpact™ NT and NW Universal Power Circuit Breakers Wiring Diagrams

Auxiliary Contacts



Cell Switches

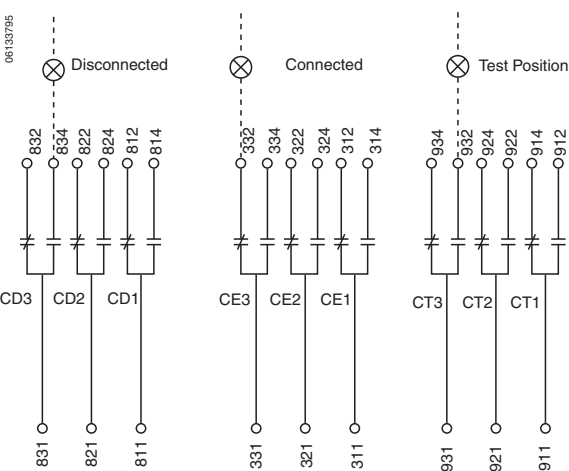


Table 56: Markings for Push-In Type Terminals

Auxiliary Contacts											
OF24				OF14				OF4			
OF23	OF22	OF21		OF13	OF12	OF11		OF3	OF2	OF1	
244	234	224	214	144	134	124	114	44	34	24	14
242	232	222	212	142	132	122	112	42	32	22	12
241	231	221	211	141	131	121	111	41	31	21	11
or				or							
EF24				EF14							
EF23	EF22	EF21		EF13	EF12	EF11					
248	238	228	218	148	138	128	118				
246	236	226	216	146	136	126	116				
245	235	225	215	145	135	125	115				

Cell Switches ¹					
CT3			CT2		
934	924	914			
932	922	912			
931	921	911	or		
CD6			CE9		
CD5	CD4		CE8	CE7	
864	854	844			
862	852	842			
861	851	841			

¹ Fixed-mounted circuit breaker does not have cell switches (CE, CD, CT).

Table 57: Markings for Ring Terminals

Alarm Switches				Auxiliary Contacts								Cell Switches ¹		
PF	CT1	MCH	MCHa	OF14	OF13	OF12	OF11	OF4	OF3	OF2	OF1	CE3	CE2	CE1
252	914/912	B2	B3	144	134	122	112	44	34	22	12	334/332	324/322	314/312
251	911	B1		141	131	121	111	41	31	21	11	331	321	311

¹ Fixed-mounted circuit breaker does not have cell switches (CE, CD, CT).

Masterpact™ NT and NW Universal Power Circuit Breakers
Wiring Diagrams

Additional Wiring Information for Masterpact NW/NT Circuit Breakers

Alarm Contacts (OF1, OF2, OF3 and OF4 are standard equipment)					Cradle Contacts					
OF4	Open/Closed Circuit Breaker or Switch Position Contacts	OF24: Open/Closed Circuit Breaker or Switch Position Contact or			CD3	Disconnected Position Contacts	CE3	Connected Position Contacts	CT3	Test Position Contacts
OF3		or			CD2		CE2		CT2	
OF2		EF24: Combined Connected and Closed Contact			CD1		CE1		CT1	
OF1										
		OF23 or EF23			or			or		
		OF22 or EF22			CE6			CE9		
		OF21 or EF21			CE5			CE8		
		OF14 or EF14			Connected Position Contacts			Connected Position Contacts		
		OF13 or EF13			CE4			CE7		
		OF12 or EF12						or		
		OF22 or EF22						CD6		
		OF11 or EF11						CD5		
								CD4		
								Disconnected Position Contacts		