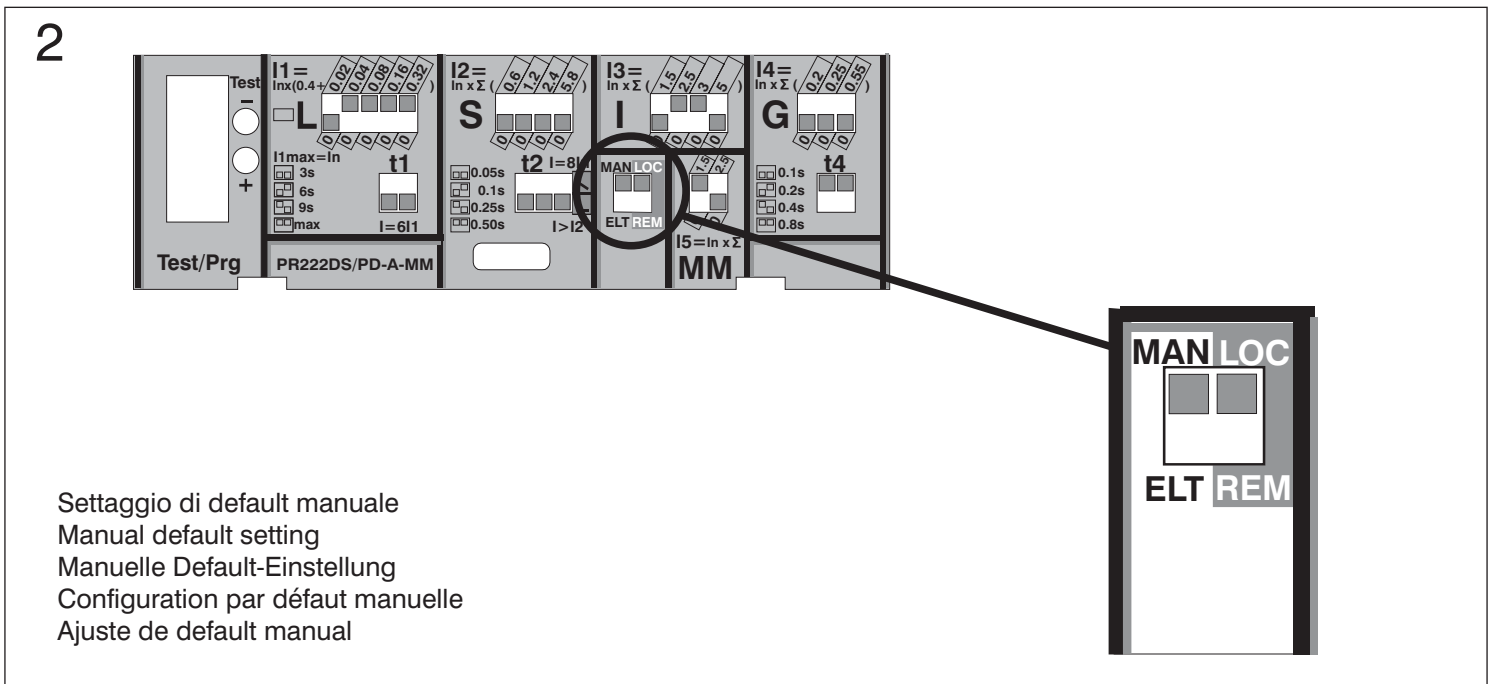
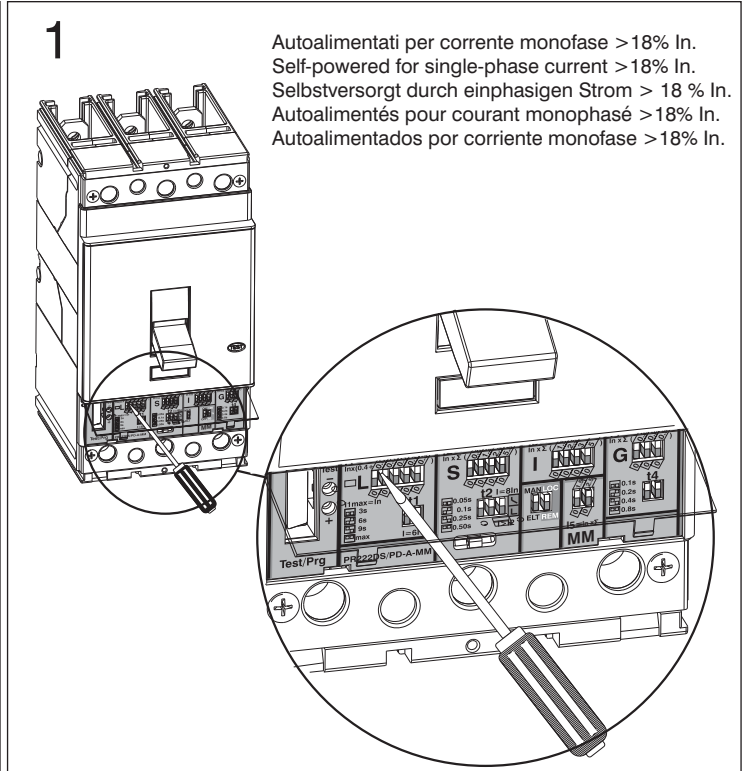
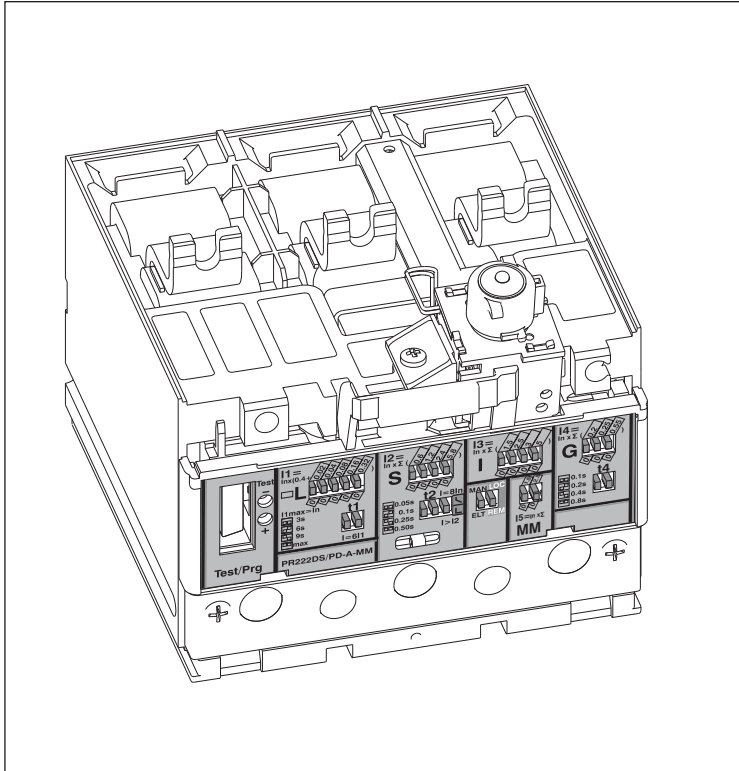


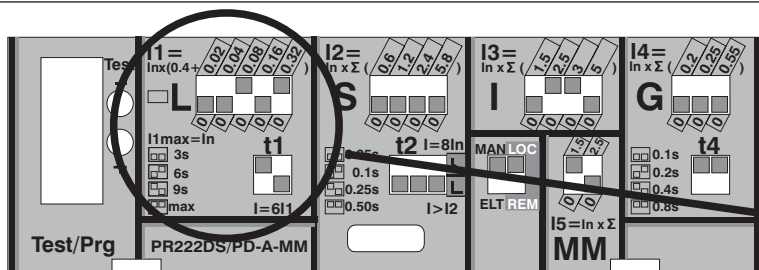
Sganciatori PR222DS/P, PR222DS/PD-A e PR222DS/PD-A MM T4-T5-T6 UL
 Release PR222DS/P, PR222DS/PD-A and PR222DS/PD-A MM T4-T5-T6 UL
 Auslöser PR222DS/P, PR222DS/PD-A und PR222DS/PD-A MM T4-T5-T6 UL
 Dèclencheur PR222DS/P, PR222DS/PD-A et PR222DS/PD-A MM T4-T5-T6 UL
 Relé PR222DS/P, PR222DS/PD-A y PR222DS/PD-A MM T4-T5-T6 UL



1SDH000549R0001



3



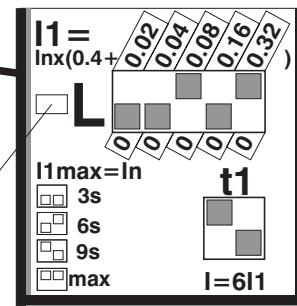
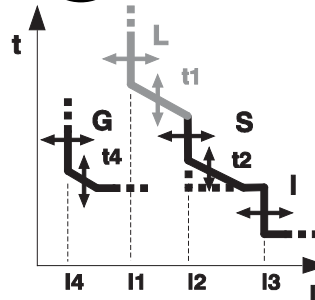
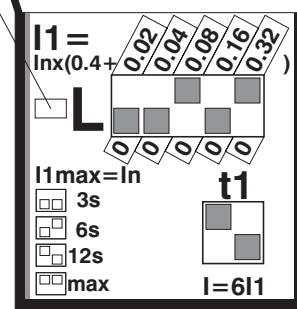
Esempio - Example - Beispiel - Exemple - Ejemplo

In = 100A

 $I1 = 100 \times (0.4 + 0.08 + 0.32) = 80A$ $t1 = 9s @ 480A (6I1)$

Normal status	L Prealarm	L Alarm	(1 Hz)
		$I1 > I2$ or $I2 > I3$	(0.33 Hz)
		WINK (PD version only)	(4 Hz)

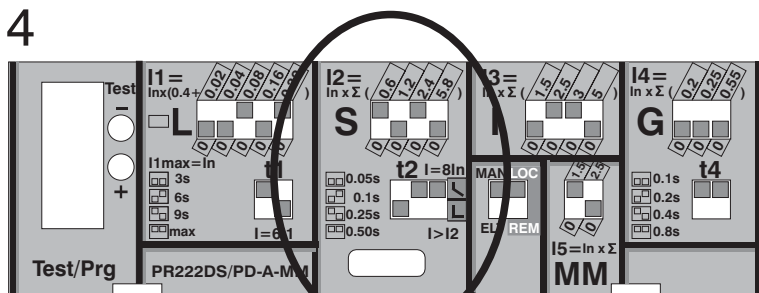
		I1(In)							t1	
		In(A)	0,4	0,42	0,44	...	0,96	0,98	1	max
T4	100	40	42	44	...	96	98	100	18	
	150	60	63	66	...	144	147	150	18	
	250	100	105	110	...	240	245	250	18	
T5	300	120	126	132	...	288	294	300	18	
	400	160	168	176	...	384	392	400	18	
	600	240	252	264	...	576	588	600	10,5	
T6	600	240	252	264	...	576	588	600	18	
	800	320	336	352	...	768	784	800	18	

T4-T5
T6 800A

T6 600A

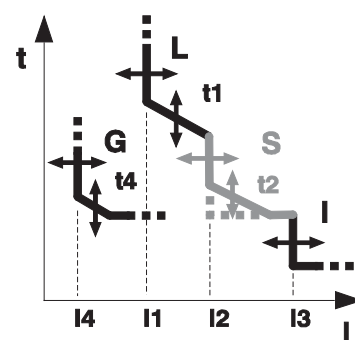
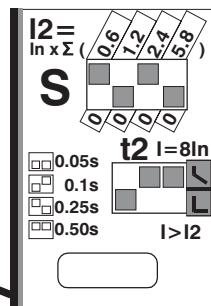
“L” protection provides thermal memory according UL489 requirements

4



Esempio - Example - Beispiel - Exemple - Ejemplo

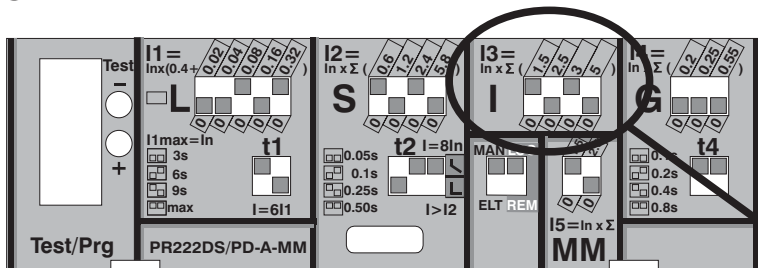
In = 100A

 $I2 = 100 \times (0.6 + 2.4) = 300A$ $t2 (I^2=ON) = 0,1s @ 800A (8In)$ 

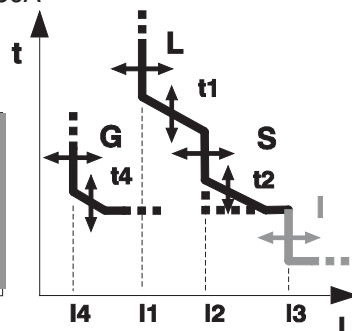
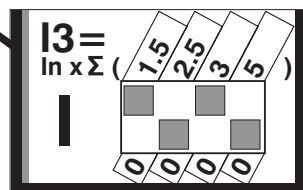
	I2(In)															
	In (A)	0,6	1,2	1,8	2,4	3	3,6	4,2	5,8	6,4	7	7,6	8,2	8,8	9,4	10
T4	100	60	120	180	240	300	360	420	580	640	700	760	820	880	940	1000
	150	90	180	270	360	450	540	630	870	960	1050	1140	1230	1320	1410	1500
	250	150	300	450	600	750	900	1050	1450	1600	1750	1900	2050	2200	2350	2500
T5	300	180	360	540	720	900	1080	1260	1740	1920	2100	2280	2460	2640	2820	3000
	400	240	480	720	960	1200	1440	1680	2320	2560	2800	3040	3280	3520	3760	4000
	600	360	720	1080	1440	1800	2160	2520	3480	3840	4200	4560	4920	5280	5640	5700*
T6	600	360	720	1080	1440	1800	2160	2520	3480	3840	4200	4560	4920	5280	5640	6000
	800	480	960	1440	1920	2400	2880	3360	4640	5120	5600	6080	6560	7040	7520	8000

* I2 max T5 600 = 9.5 In

5



Esempio - Example - Beispiel - Exemple - Ejemplo

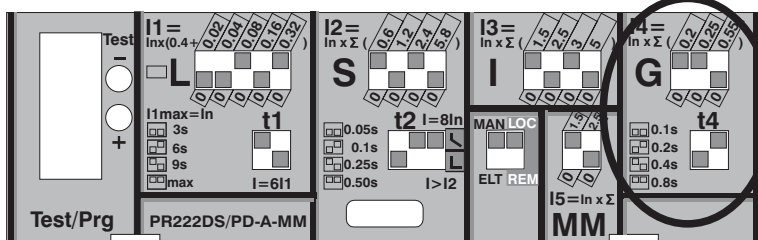
 $I_n = 100A$ $I_3 = 100 \times (1.5 + 3) = 450A$ 

		I3(In)															
		ln(A)	1,5	2,5	3	4	4,5	5	5,5	6,5	7	7,5	8	9	9,5	10,5	12
T4	100	150	250	300	400	450	500	550	650	700	750	800	900	950	1050	1200	
	150	225	375	450	600	675	750	825	975	1050	1125	1200	1350	1425	1575	1800	
	250	375	625	750	1000	1125	1250	1375	1625	1750	1875	2000	2250	2375	2625	3000	
T5	300	450	750	900	1200	1350	1500	1650	1950	2100	2250	2400	2700	2850	3150	3600	
	400	600	1000	1200	1600	1800	2000	2200	2600	2800	3000	3200	3600	3800	4200	4800	
	600	900	1500	1800	2400	2700	3000	3300	3900	4200	4500	4800	5400	5700	5700*	5700*	
T6	600	900	1500	1800	2400	2700	3000	3300	3900	4200	4500	4800	5400	5700	6300	7200	
	800	1200	2000	2400	3200	3600	4000	4400	5200	5600	6000	6400	7200	7600	8400	8400**	

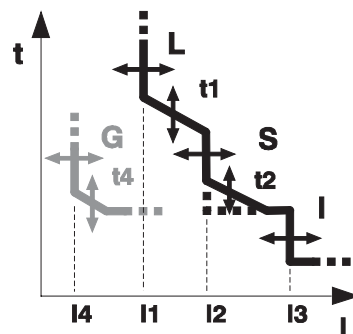
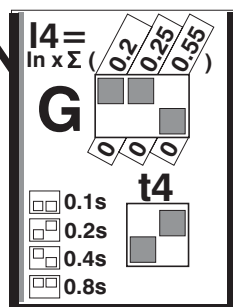
* I3 max T5 600 = 9.5 In

** I3 max T6 800 = 10.5 In

6



Esempio - Example - Beispiel - Exemple - Ejemplo

 $I_n = 100A$ $I_4 = 100 \times (0.2 + 0.25) = 45A$ $t_4 = 0.2s$ 

		I4(In)							
		In(A)	0,2	0,25	0,45	0,55	0,75	0,8	1
T4	100	20	25	45	55	75	80	100	
	150	30	37,5	67,5	82,5	112,5	120	150	
	250	50	62,5	112,5	137,5	187,5	200	250	
T5	300	60	75	135	165	225	240	300	
	400	80	100	180	220	300	320	400	
	600	120	150	270	330	450	480	600	
T6	600	120	150	270	330	450	480	600	
	800	160	200	360	440	600	640	800	

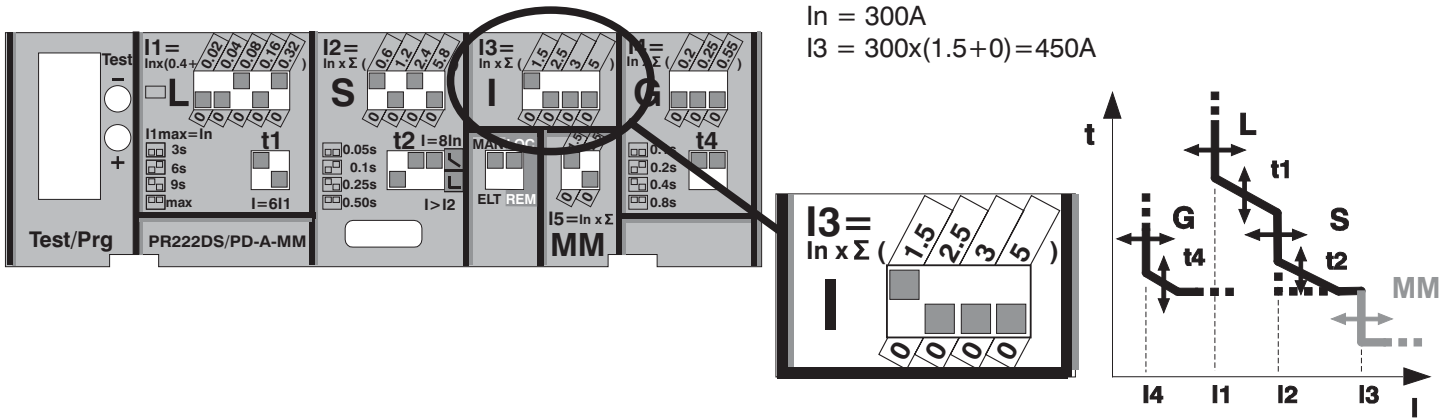

ABB

7 PR222DS/PD-A-MM ONLY

Esempio - Example - Beispiel - Exemple - Ejemplo

$I_n = 300A$

$I_3 = 300 \times (1.5 + 0) = 450A$

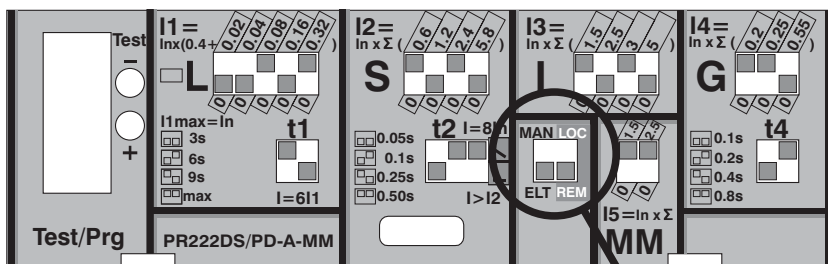


		I3(In)														
	In(A)	1,5	2,5	3	4	4,5	5	5,5	6,5	7	7,5	8	9	9,5	10,5	12
T5	300	450	750	900	1200	1350	1500	1650	1950	2100	2250	2400	2700	2850	3150	3600
	400	600	1000	1200	1600	1800	2000	2200	2600	2800	3000	3200	3600	3800	4200	4800
T6	600	900	1500	1800	2400	2700	3000	3300	3900	4200	4500	4800	5400	5700	6300	7200
	800	1200	2000	2400	3200	3600	4000	4400	5200	5600	6000	6400	7200	7600	8400	8400**

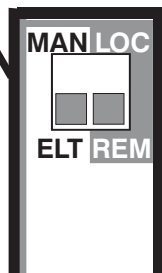
* I3 max T5 600 = 9.5 In

** I3 max T6 800 = 10.5 In

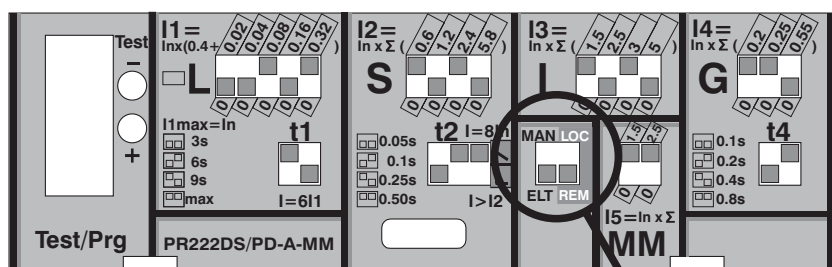
8



Settaggio di default elettronico
Electronic default setting
elektronische Default Einstellung
Configuration par défaut électronique
Ajuste de default electrónico

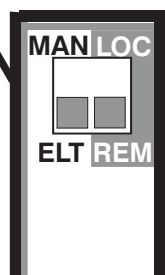


PR222DS/PD-A		DEFAULT
L	I1	1 In
	t1	10.5 s
S	Curve type	$t = k / I^2$
	I2	OFF
	t2	0.4 s
I	I3	4 In
G*	I4	OFF
	t4	0.8 s
* LSIG version only		



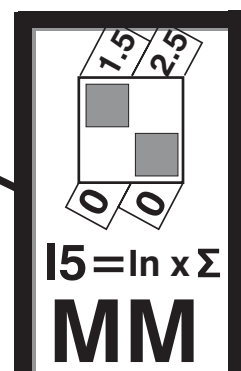
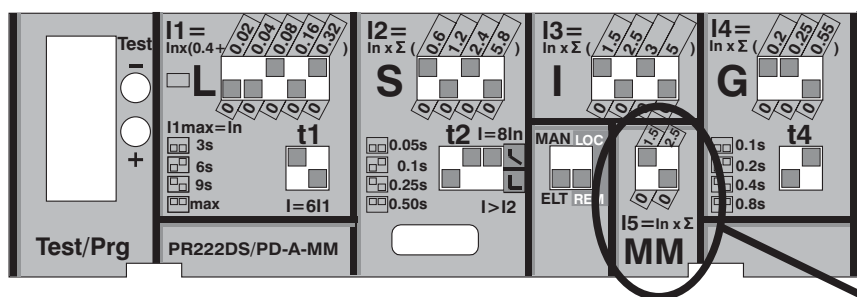
PR222DS/PD-A MM only		DEFAULT
MM	I5	2.5 In

Settaggio di default elettronico
 Electronic default setting
 elektronische Default Einstellung
 Configuration par défaut électronique
 Ajuste de default electrónico



10 PR222DS/P AND PR222DS/PD ONLY

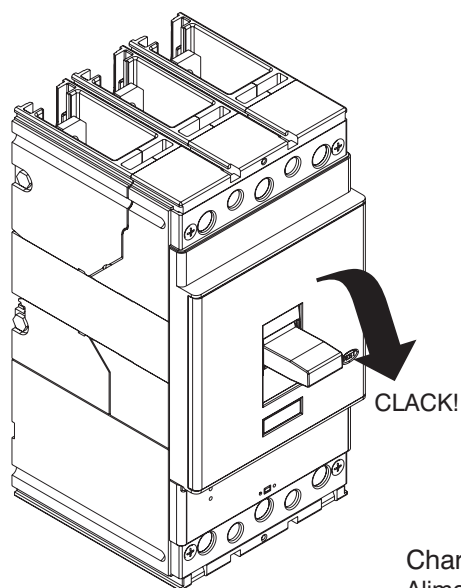
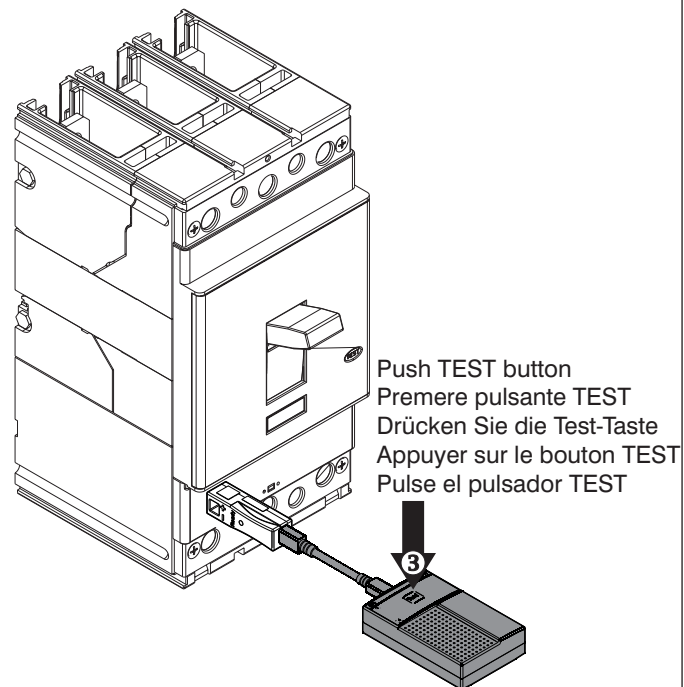
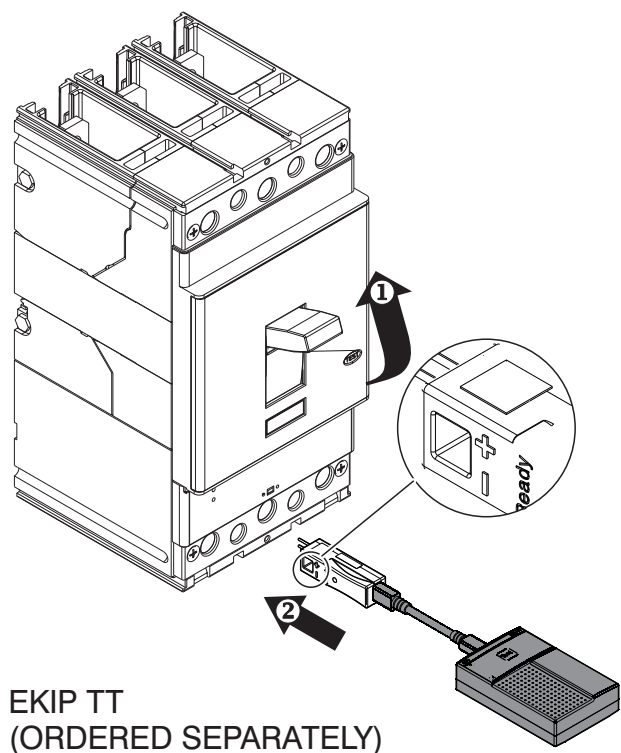
Esempio - Example - Beispiel - Exemple - Ejemplo Ne=ON; 50%



FOR PR222DS/PD-A-MM

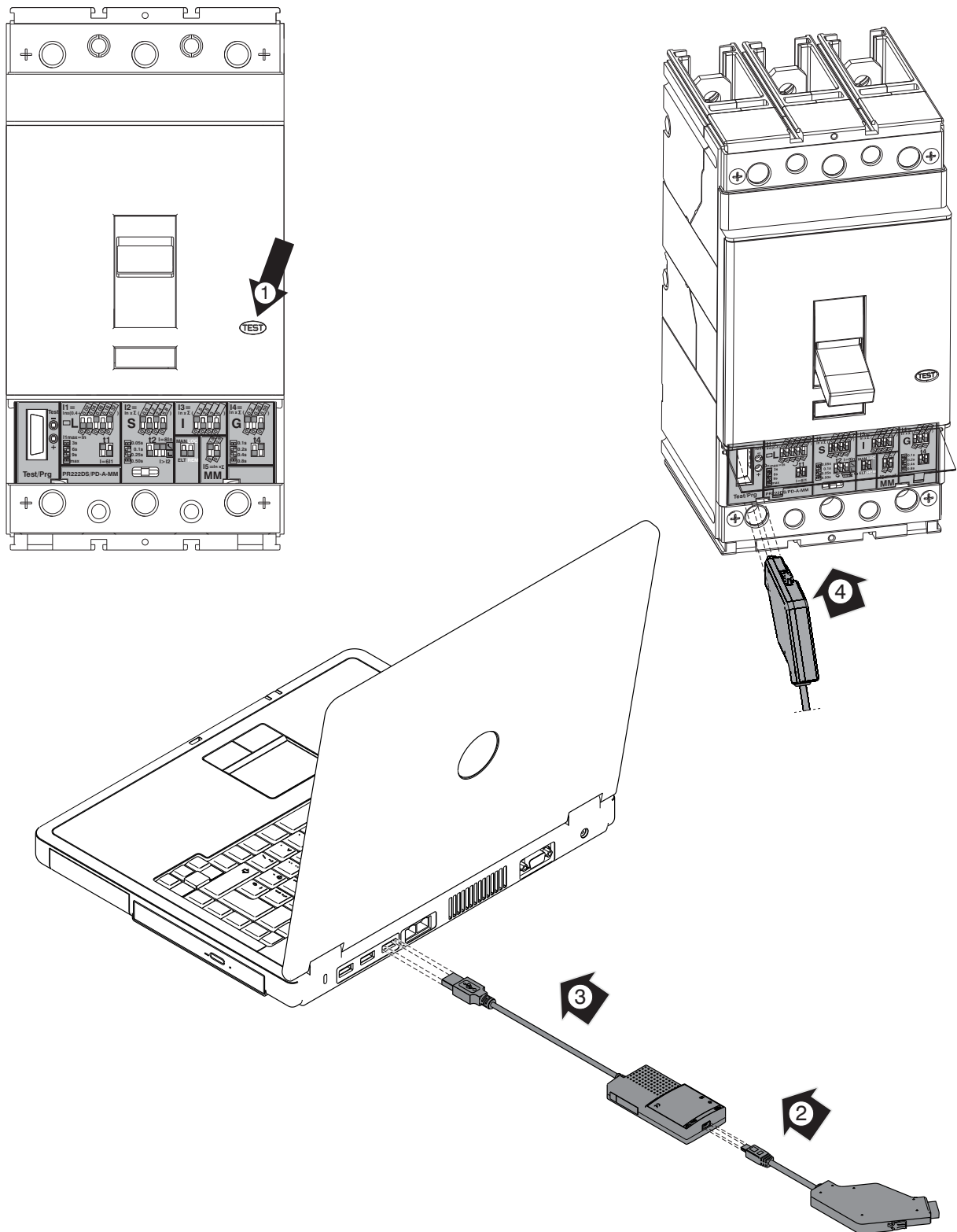
Ne = ON; 100%

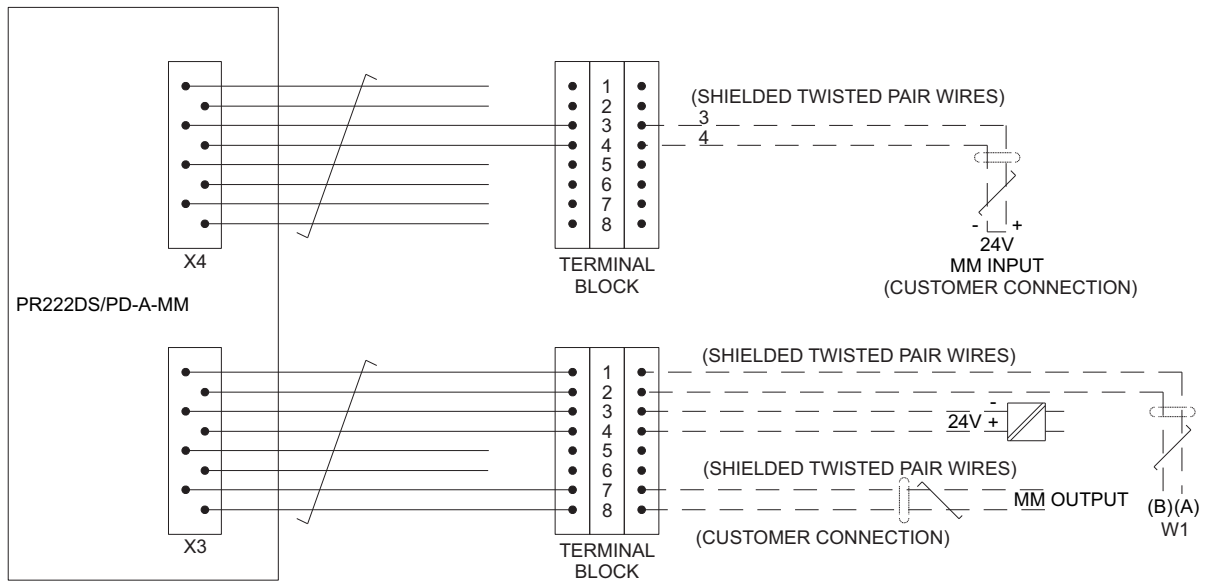
TRIP TEST
 TEST DI INTERVENTO SGANCIATORE
 AUSLÖSEPRÜFUNG DES AUSLÖSERS
 TEST DE DÉCLENCHEMENT DÉCLENCHÉUR
 PRUEBA DE ACTUACIÓN DEL RELÉ



Charge - Carica - Ladung - Alimentation -
 Alimentación

Programmazione e Test con Ekip T&P e Ekip Connect: posizione leva TRIP oppure OFF per TEST
 Programming and test with Ekip T&P and Ekip Connect: C.B. position TRIP or OFF for TEST
 Programmierung und Test mit Ekip T&P und Ekip Connect: Position Hebel TRIP oder OFF für TEST
 Programmation et Test avec Ekip T&P et Ekip Connect: position du levier TRIP ou bien OFF pour TEST
 Programación y Test con Ekip T&P y Ekip Connect: posición palanca TRIP o bien OFF per TEST





For more information please contact:

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