CITTA' DI CATANZARO
Settore Gestione Territorio

LAVORI DI COMPLETAMENTO DELLA SCUOLA MEDIA ED ELEMENTARE DA REALIZZARE NEL QUARTIERE "SANTO JANNI" - CATANZARO - LOTTO FUNZIONALE N.° 1

(PROGETTO ESECUTIVO)

	PROGETTO DI COMPLETAMENTO CORPI DI FABBRICA A e B (CURVE TEMPO CORRENTE - CALCOLI E VERIFICHE ELETTRICHE)	**TAV. A8.3**

I Progettisti:
Geom. Luciano Paparazzo
Geom. Francesco Rubino

IL Responsabile del procedimento:

Il Dirigente:
Arch. Carolina Ritrovato

Progetto Impianto Elettrico

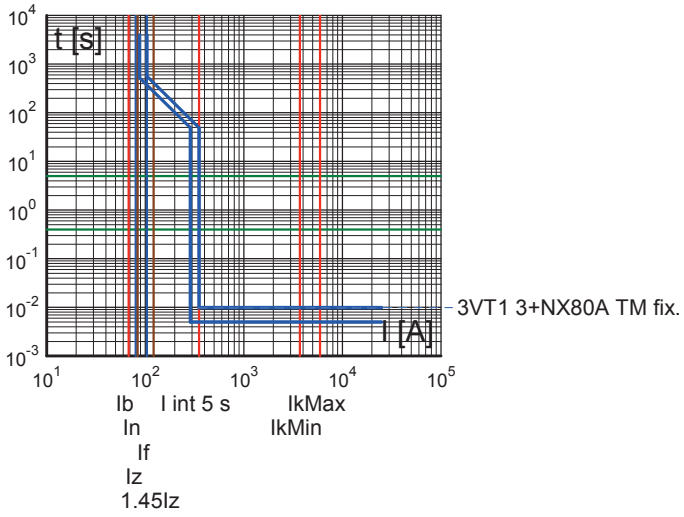
Curve tempo corrente

Commessa S_JANNI

Il presente documento consta di 15 pagine.

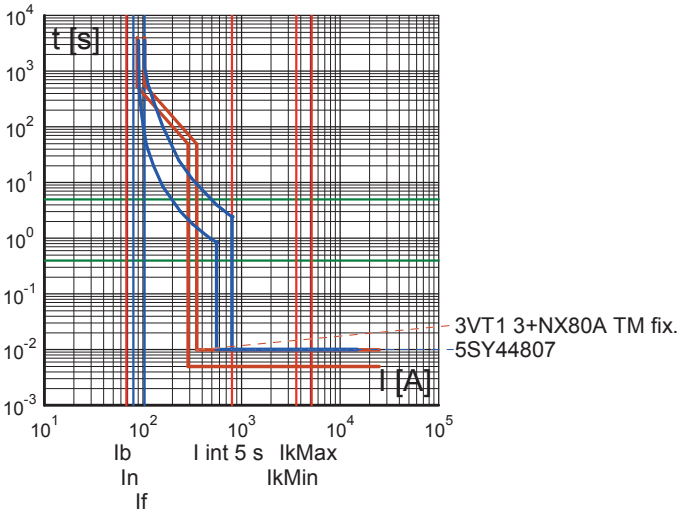
Curve tempo corrente: Progetto Impianto Elettrico
Fornitura: Fornitura

Fornitura



Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

Arrivo: GENERALE



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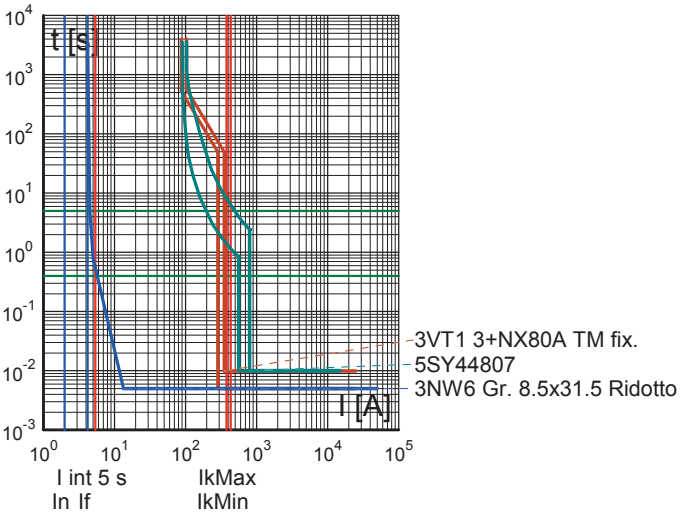

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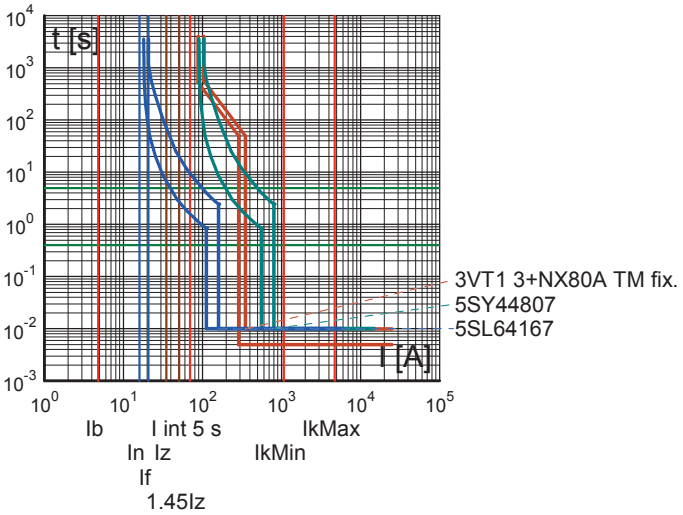

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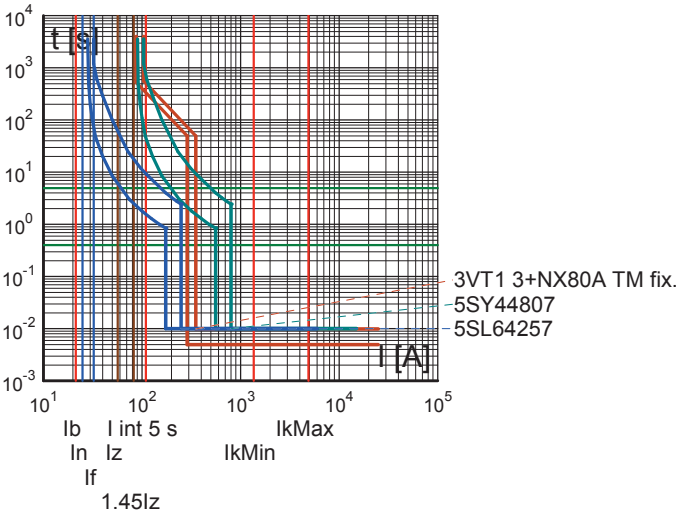

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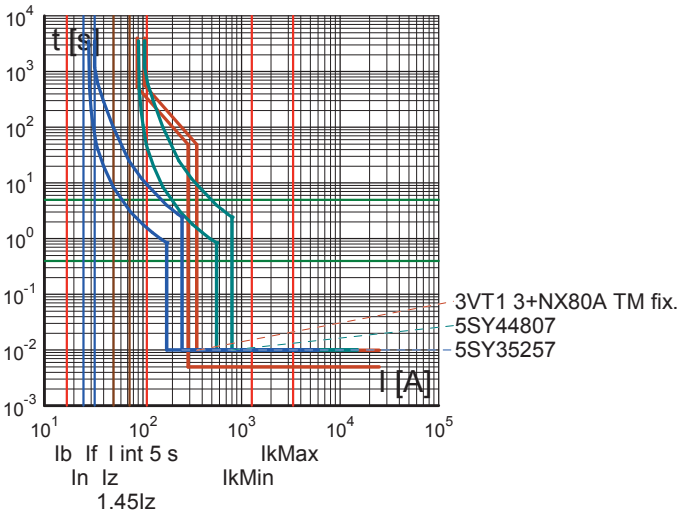

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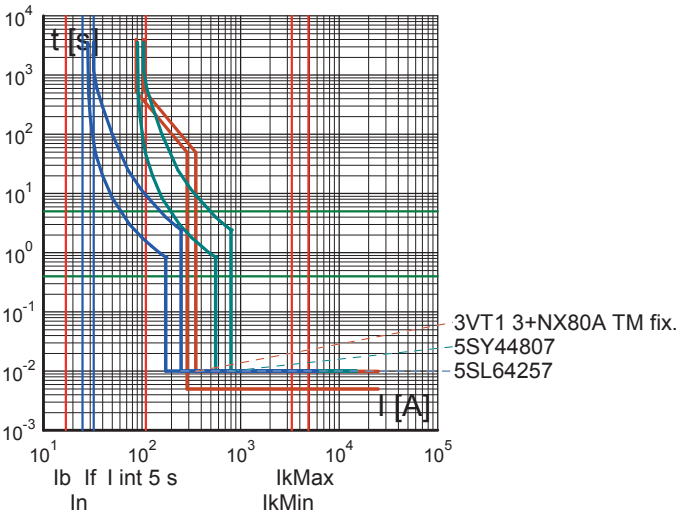
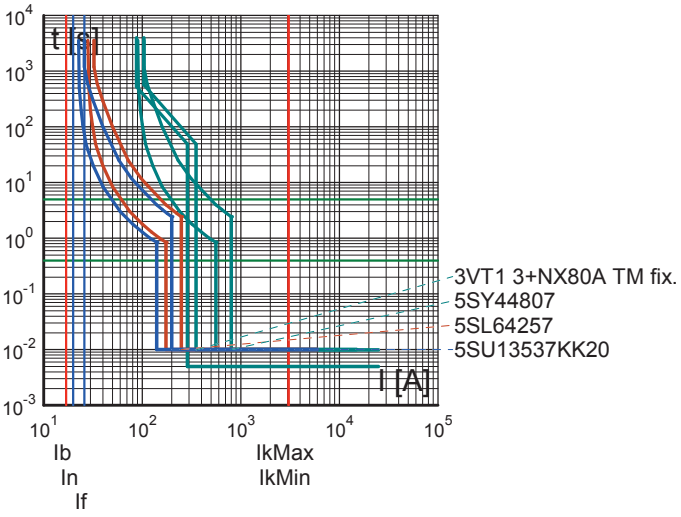
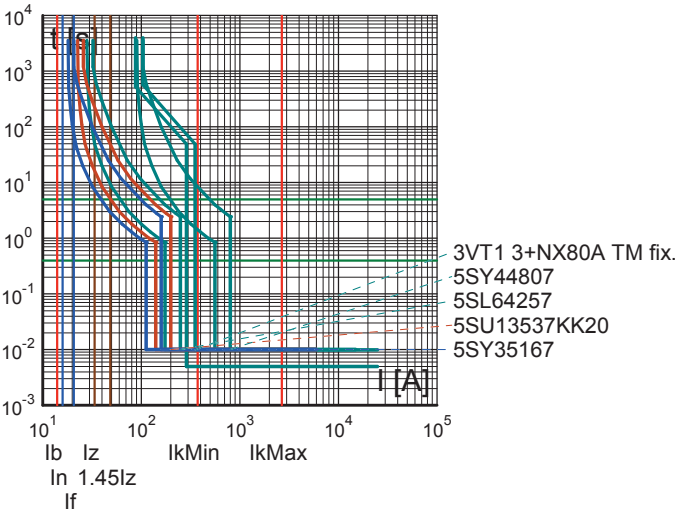


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

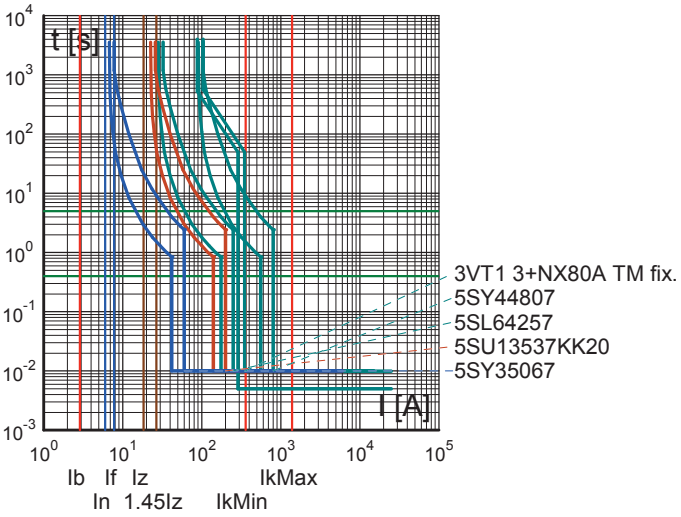
Partenza: GEN A1



Partenza: PRESE AULA 1



Partenza: ILLUMINAZIONE+EMR AULA 1



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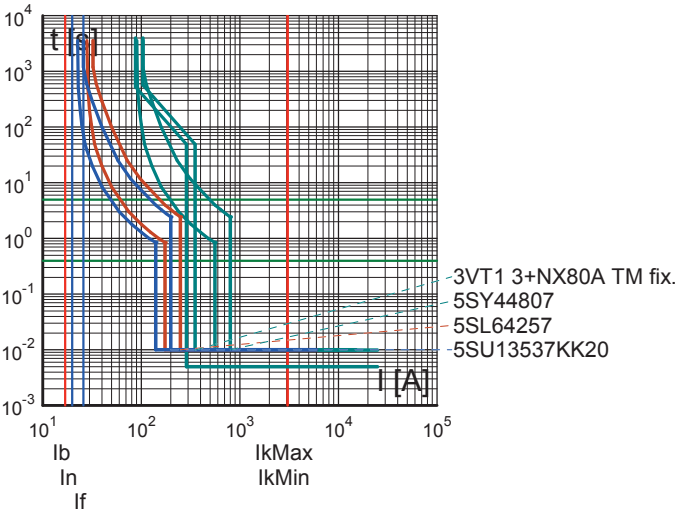

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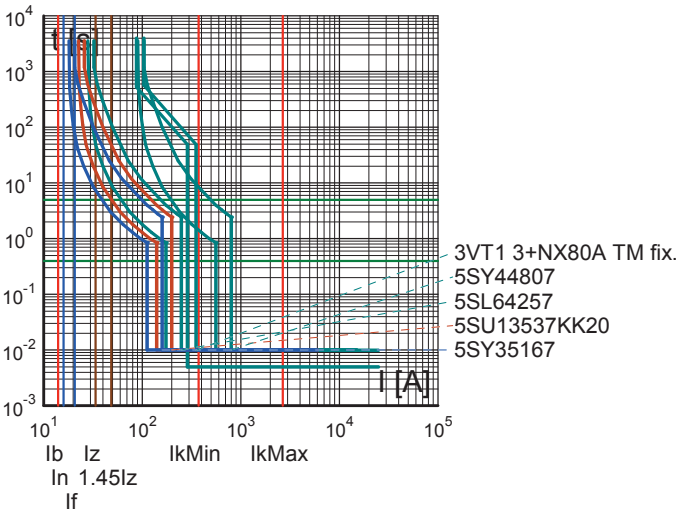

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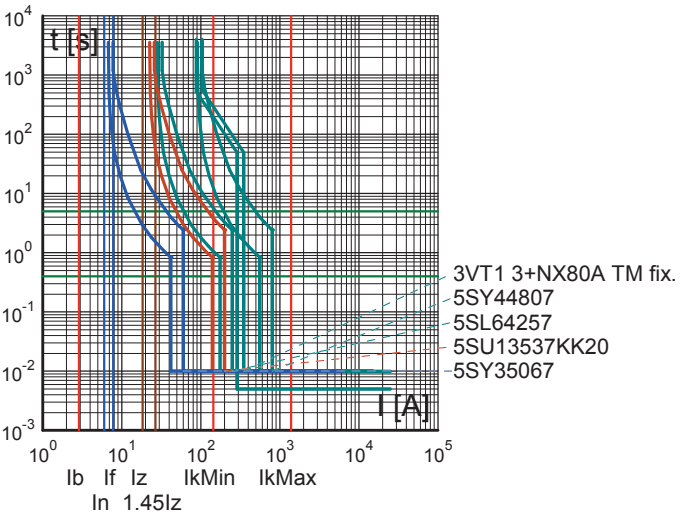

Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

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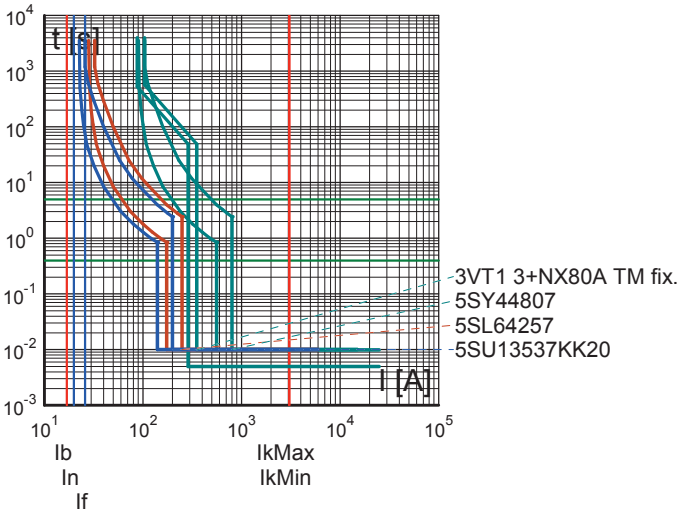

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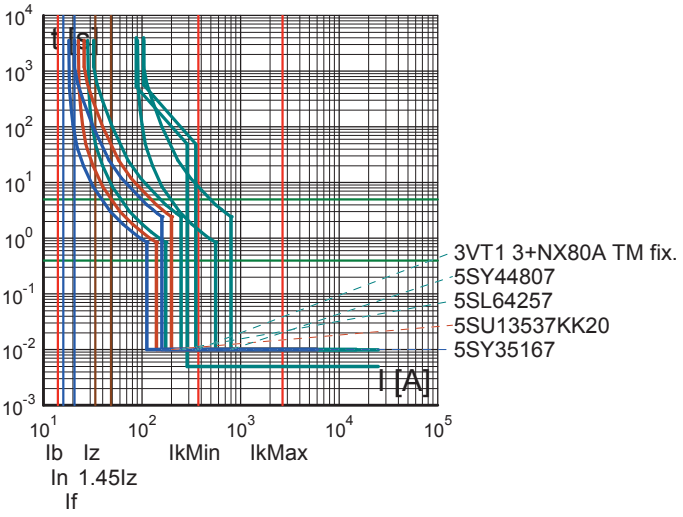
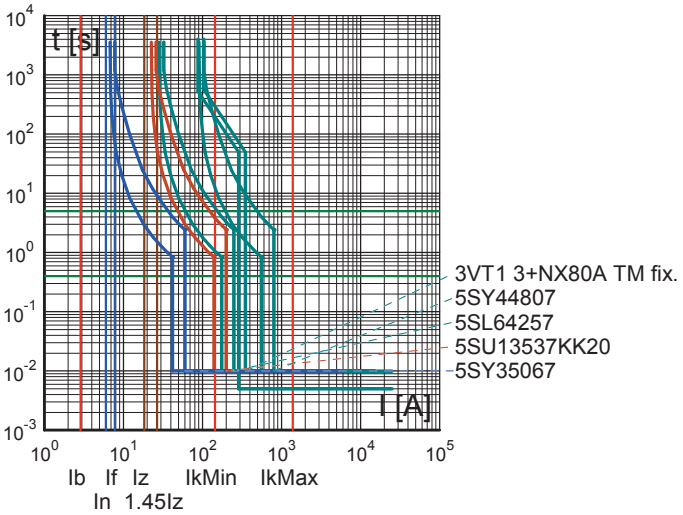


Partenza: ILLUMINAZIONE+EMR AULA 3



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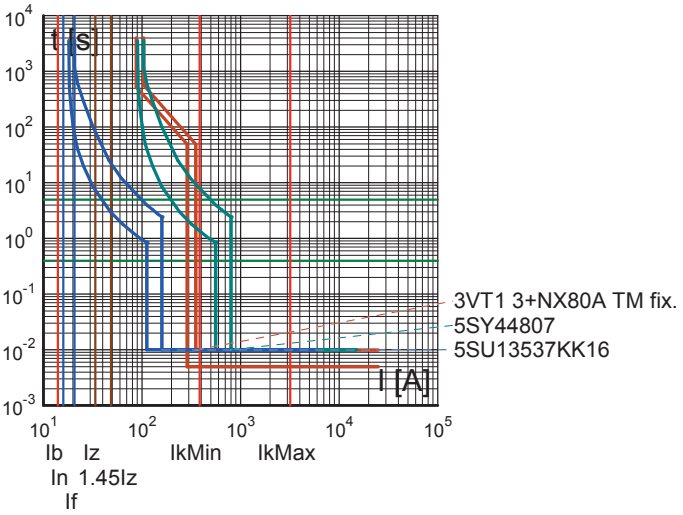

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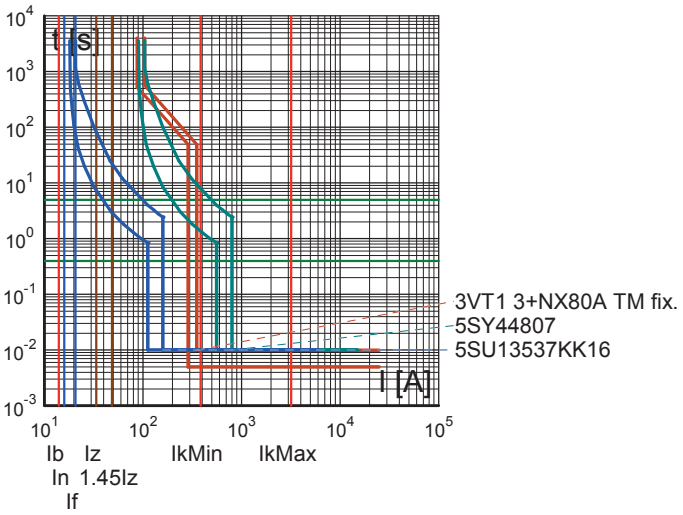

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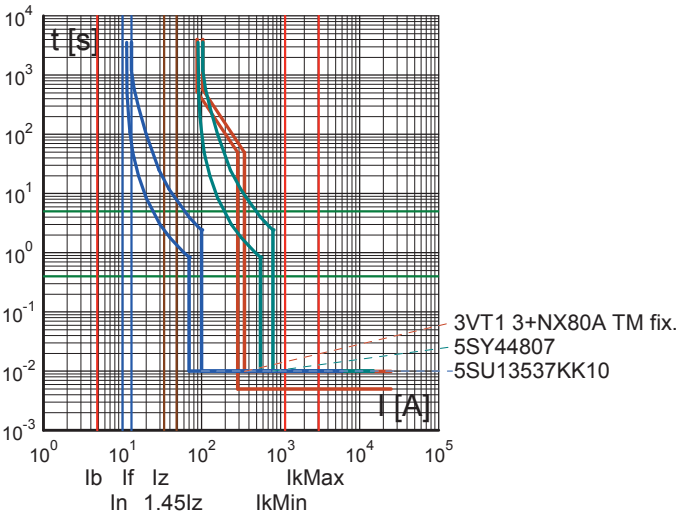
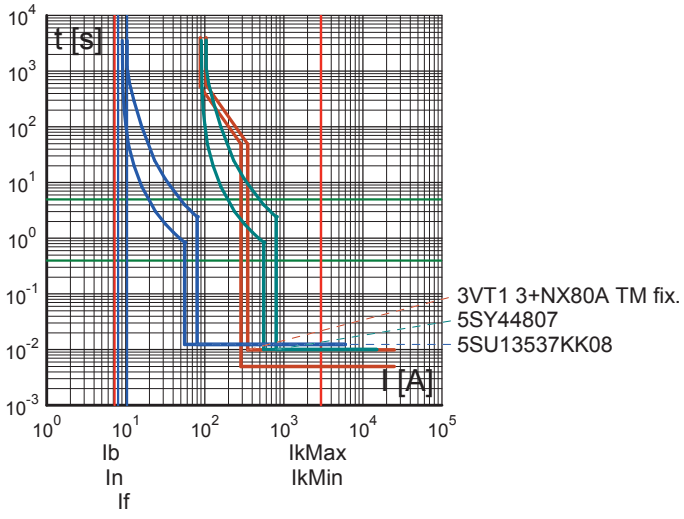


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

Partenza: AUSILIARI



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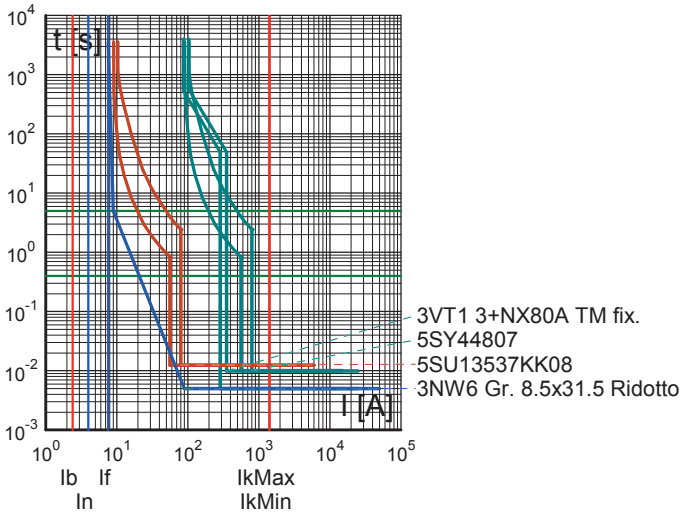

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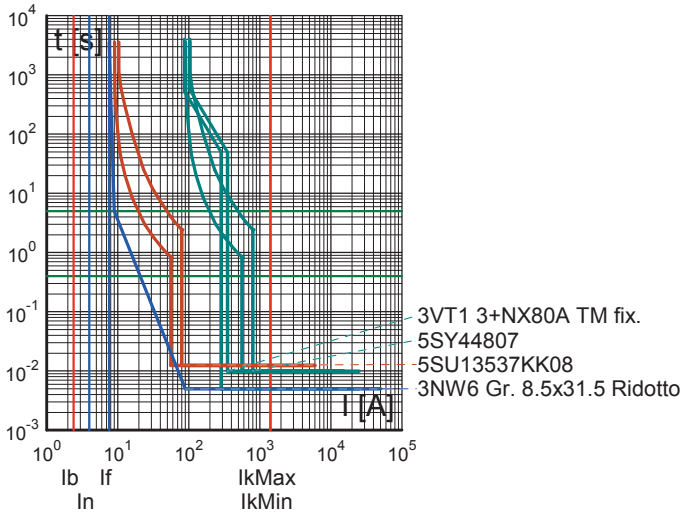

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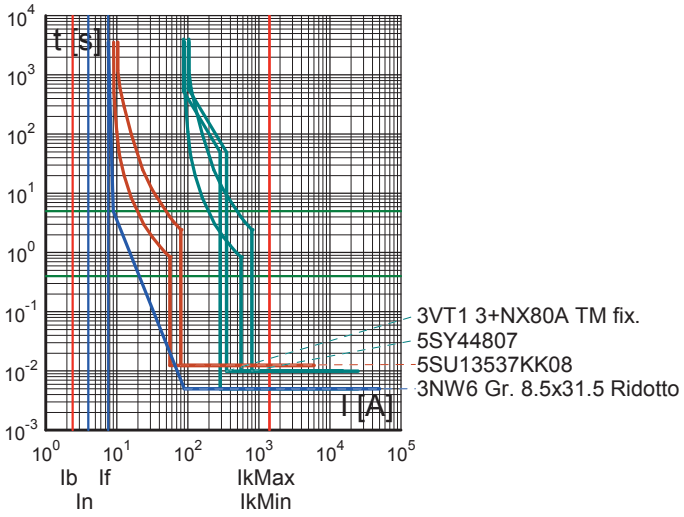

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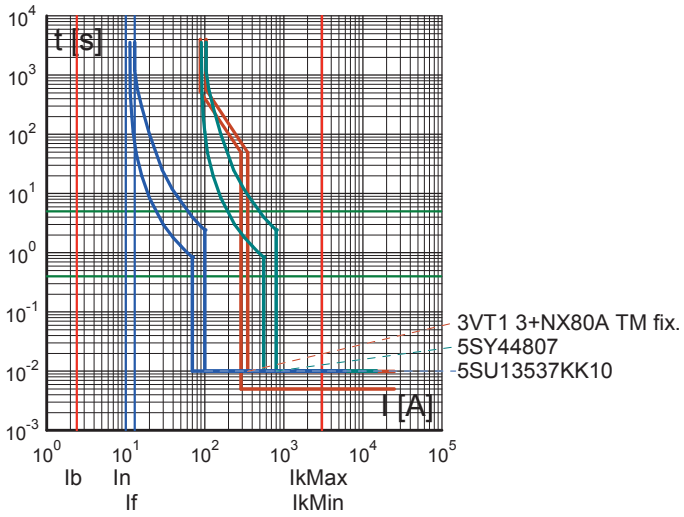

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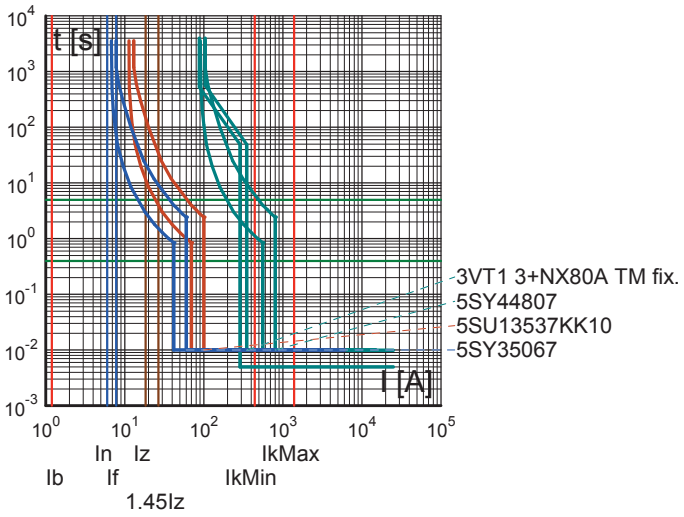

Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

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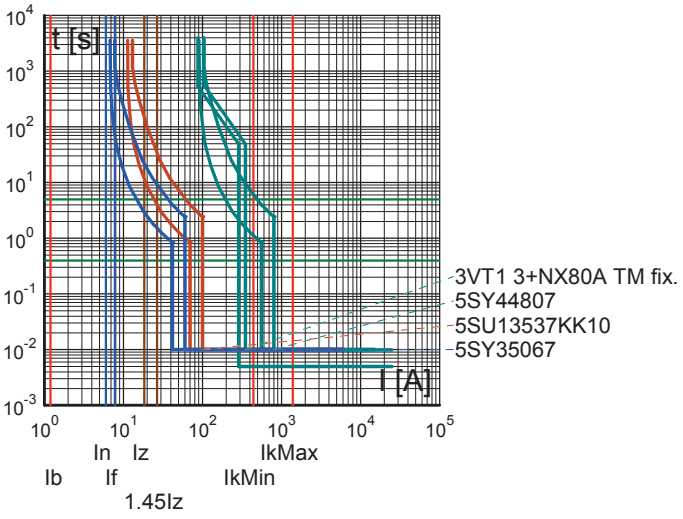

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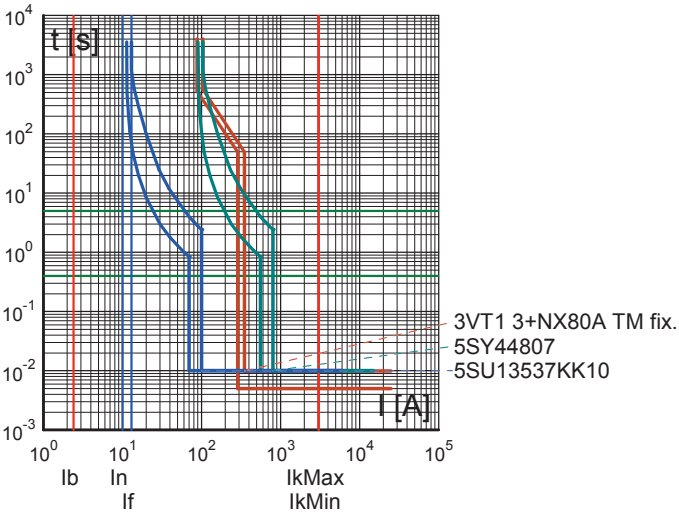

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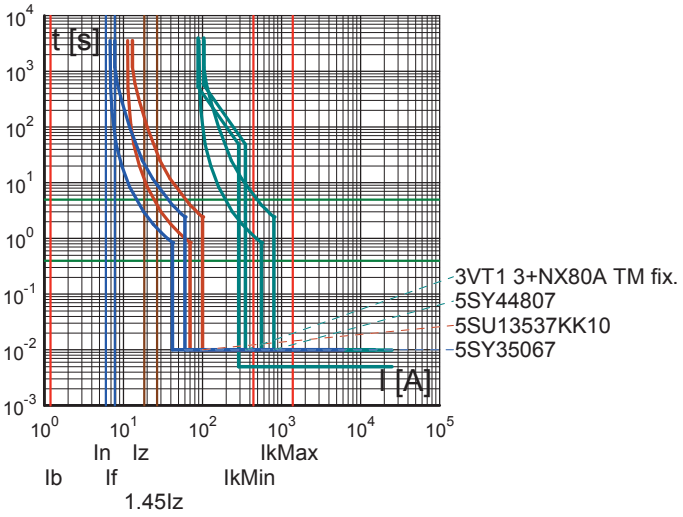

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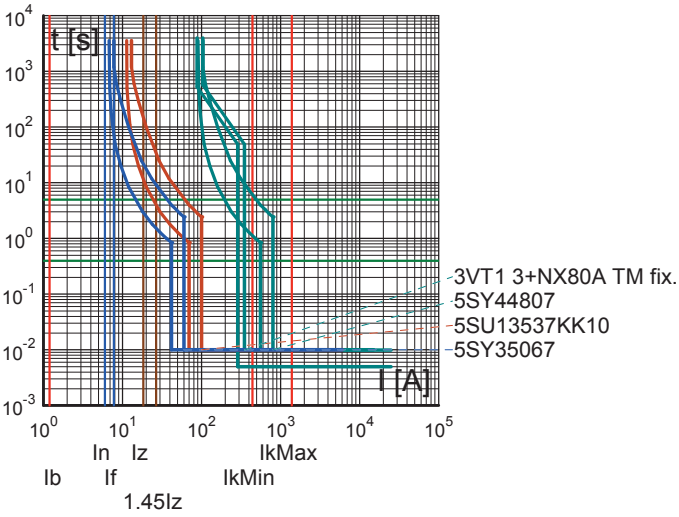
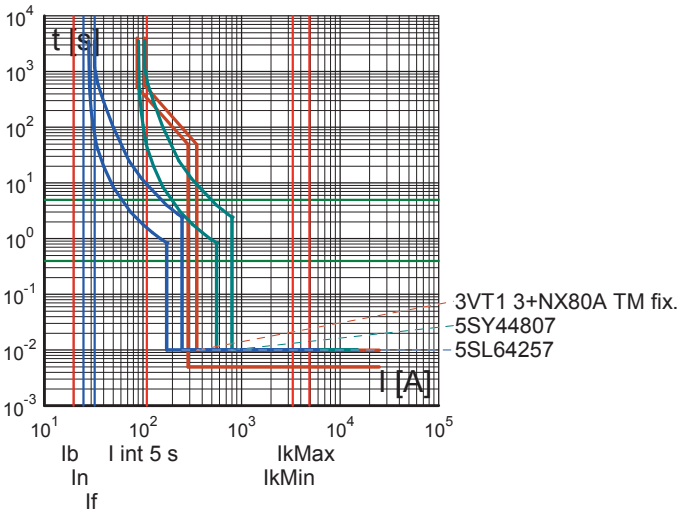
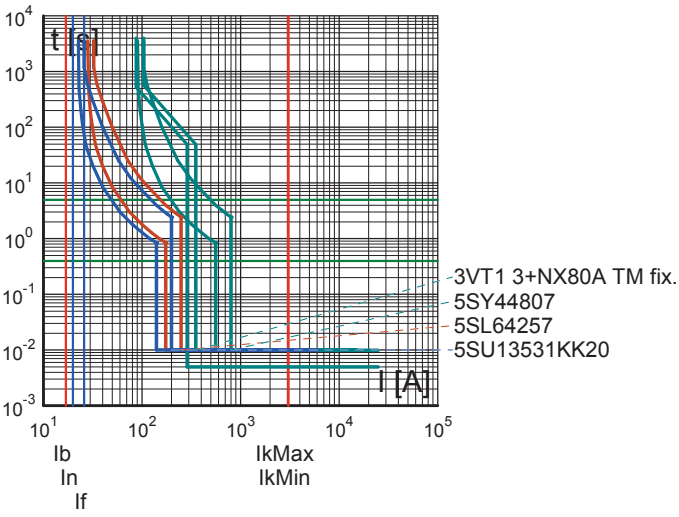


Partenza: GENERALE WC

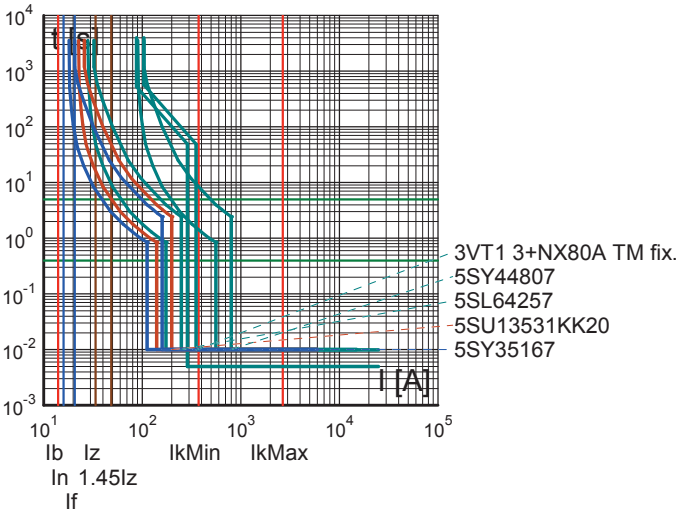


Partenza: WC ALUNNE

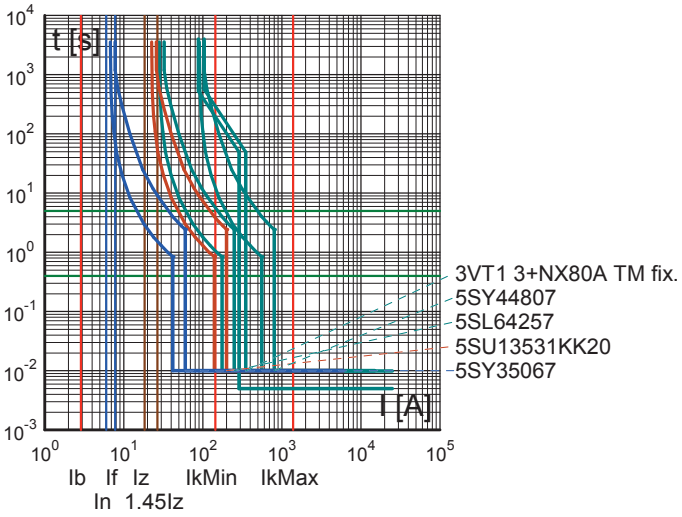


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

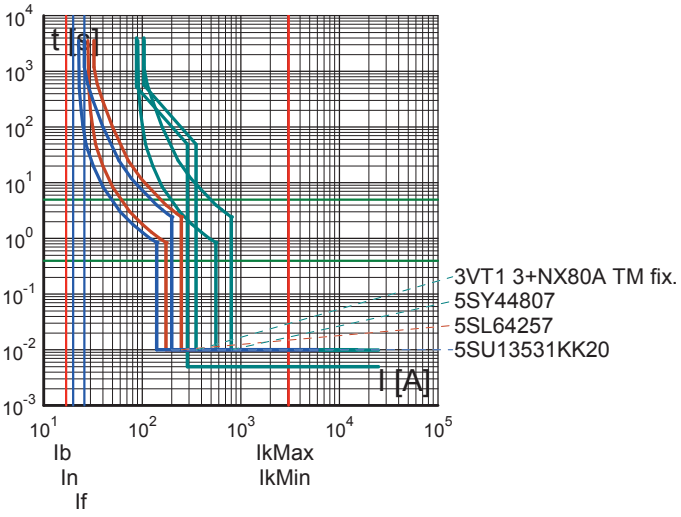
Partenza: PRESE WC



Partenza: ILLUMINAZIONE+EMR WC



Partenza: WC ALUNNI



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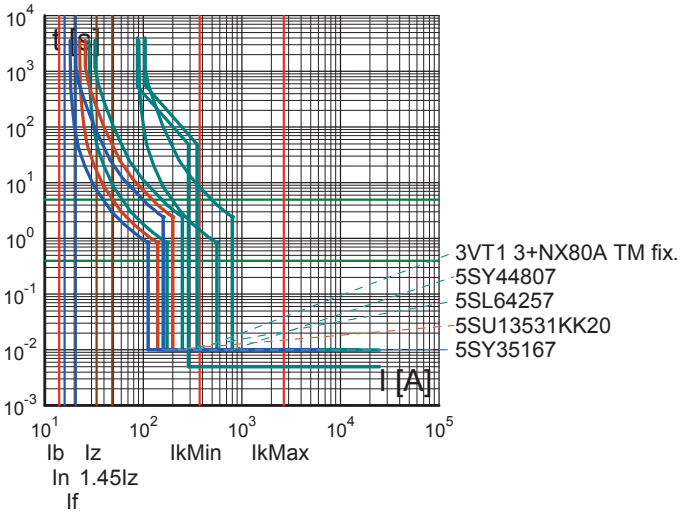
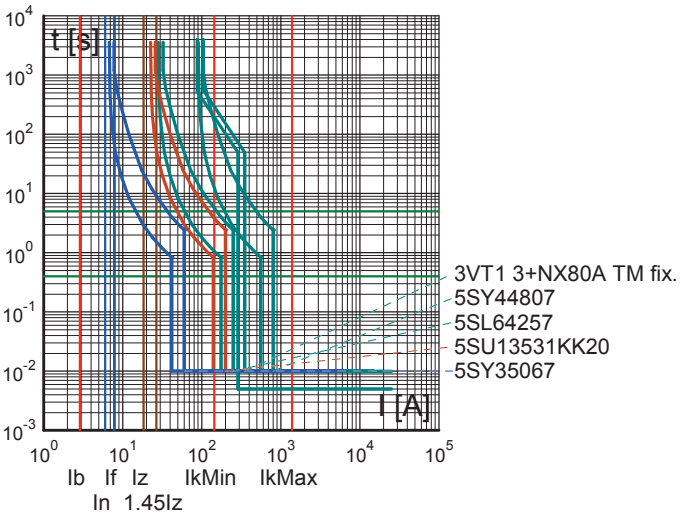
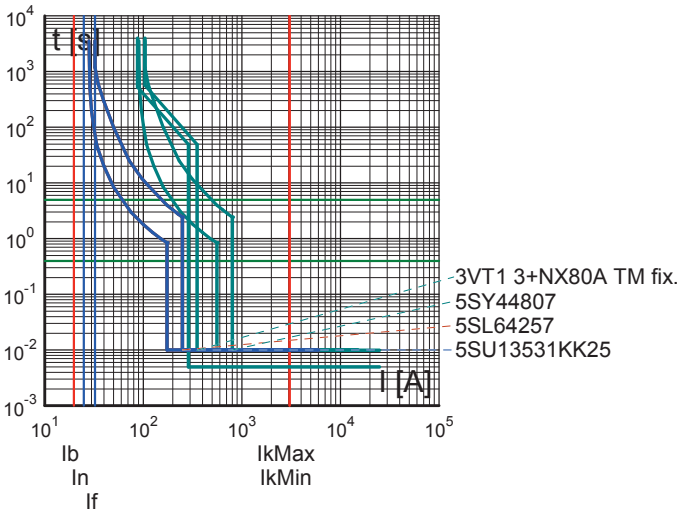


Partenza: ILLUMINAZIONE+EMR WC

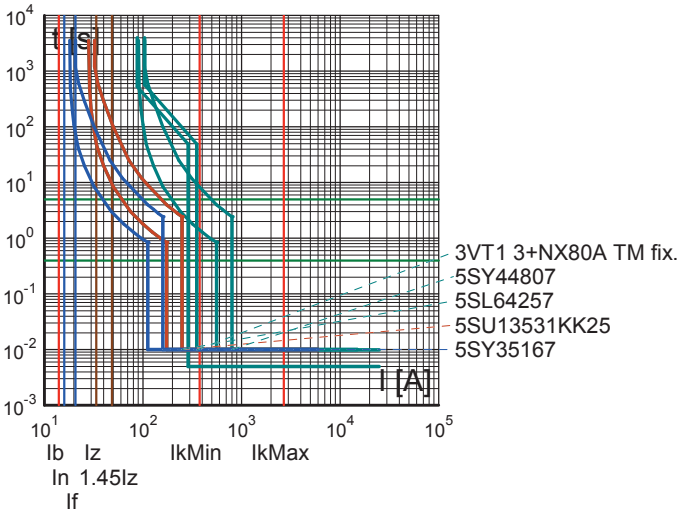


Partenza: WC DISABILI + PROF.

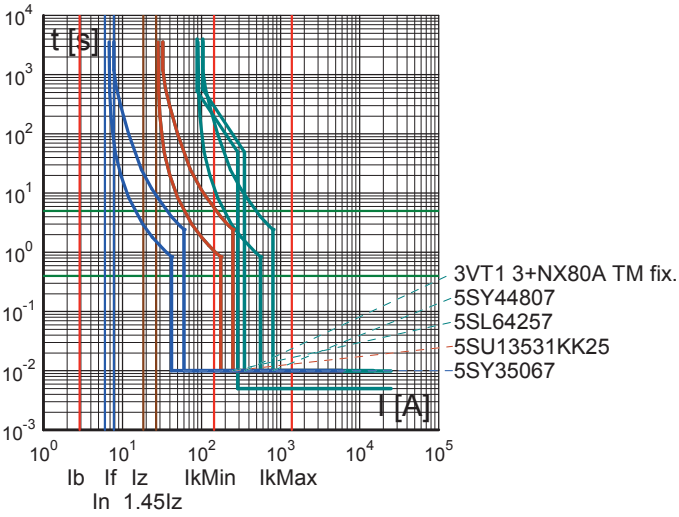


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

Partenza: PRESE WC



Partenza: ILLUMINAZIONE+EMR WC



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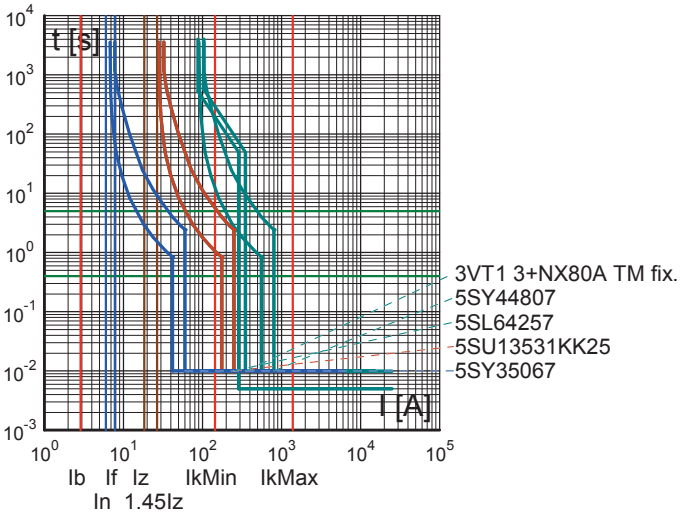

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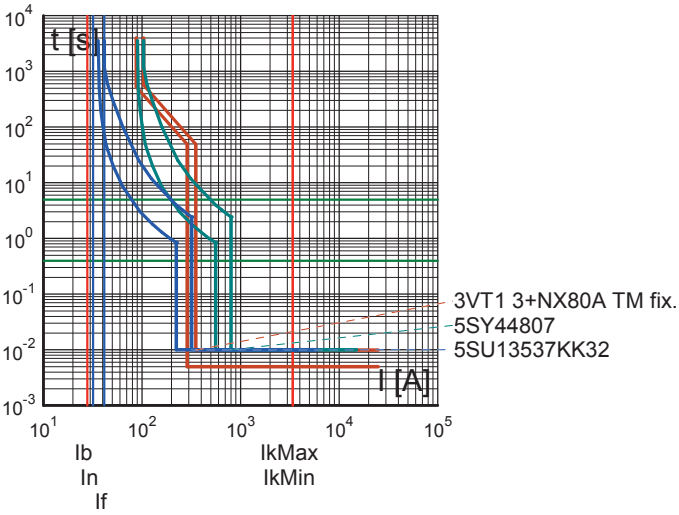

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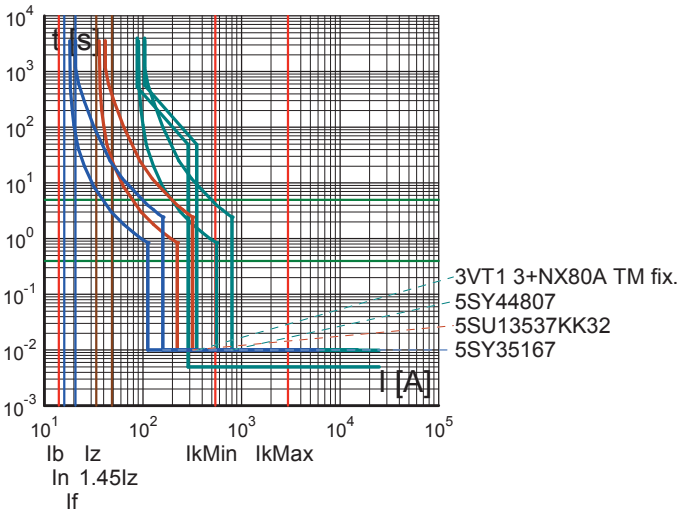

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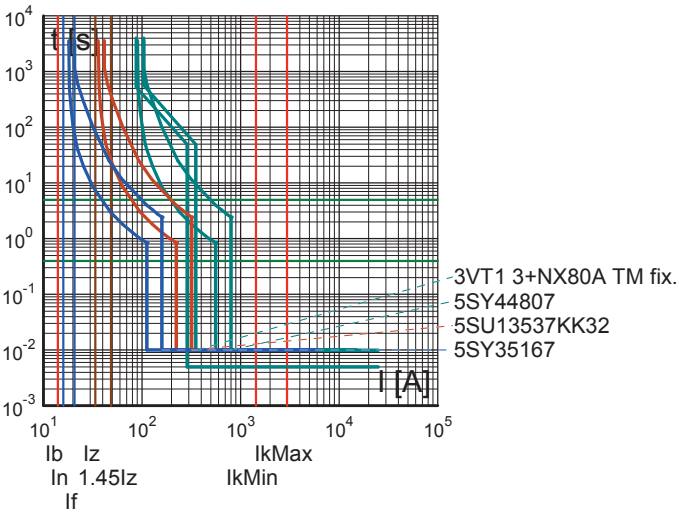
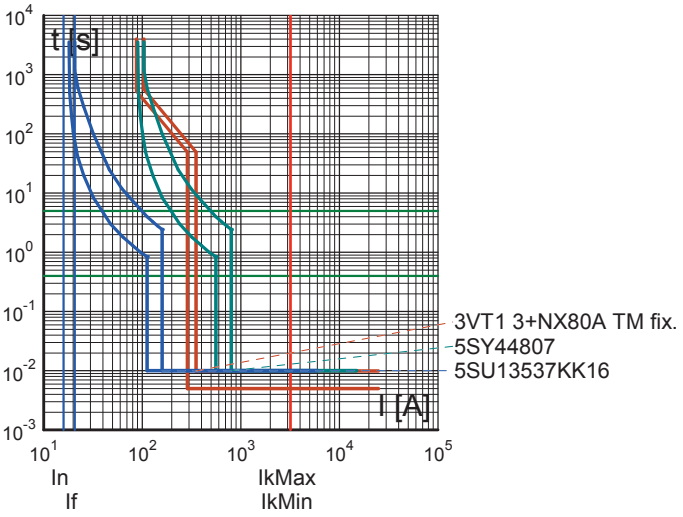


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: Quadro Generale

Partenza: RISERVA



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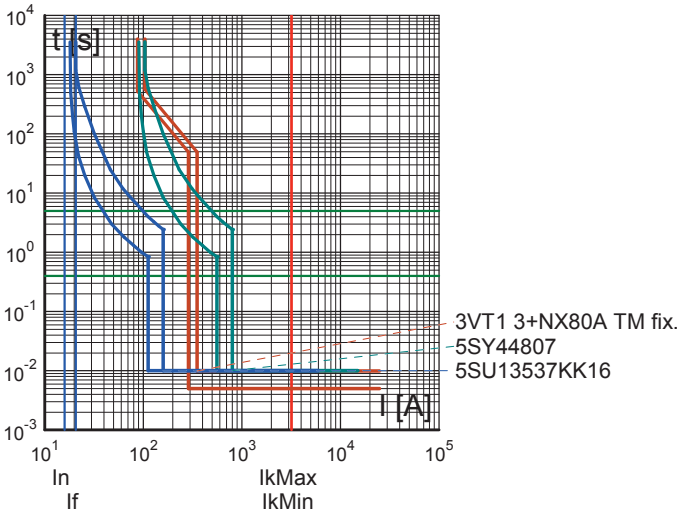

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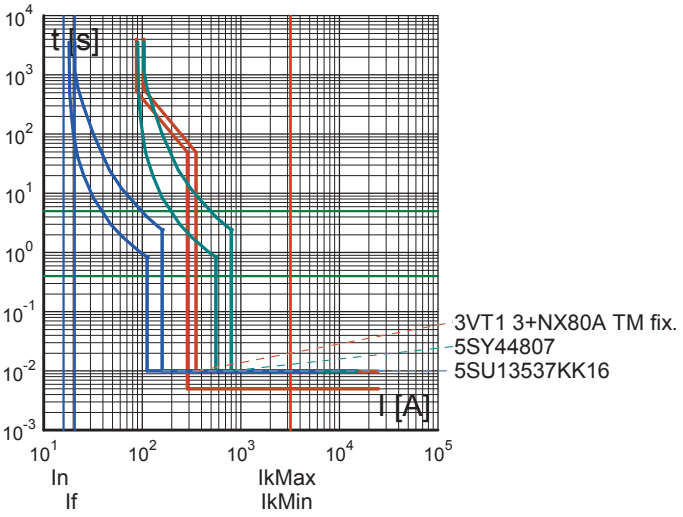
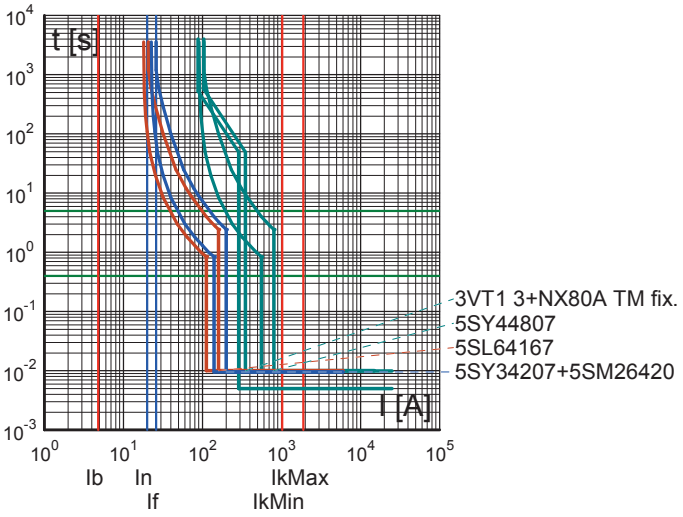


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: SQCENTR-IDRICA-VVF

Arrivo: GEN_SQCENTR-IDRICA-VVF



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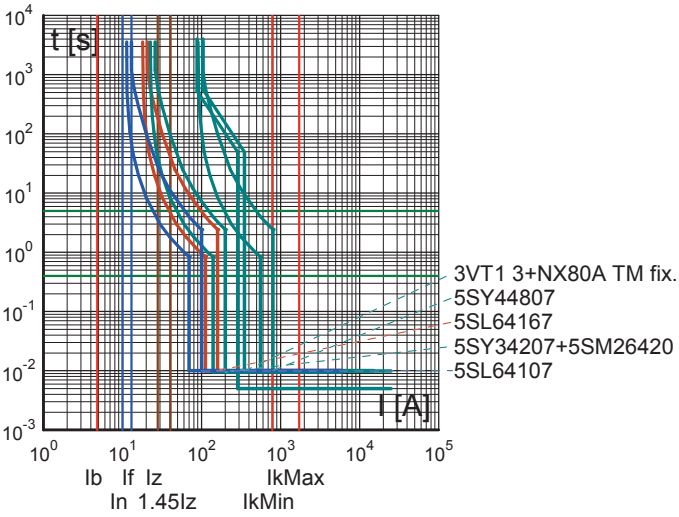

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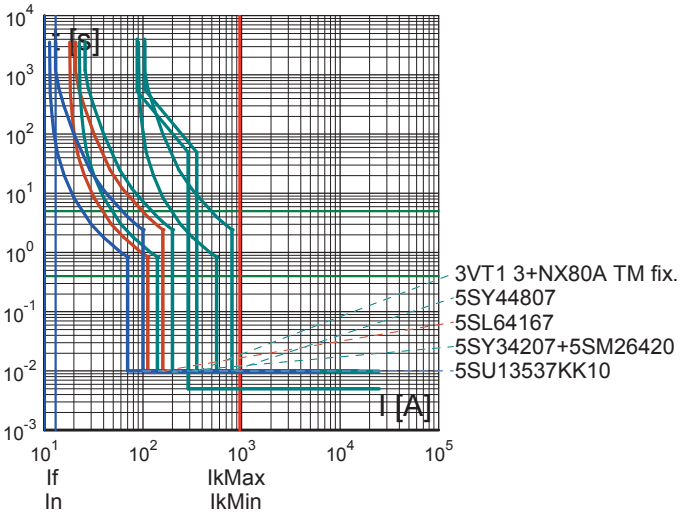

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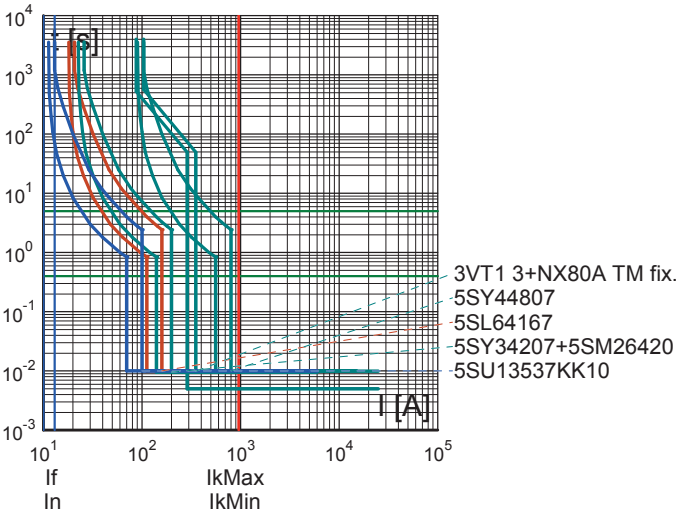
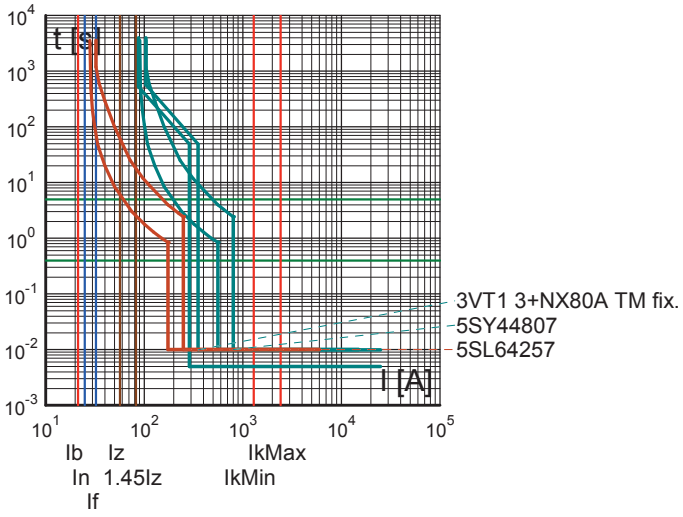


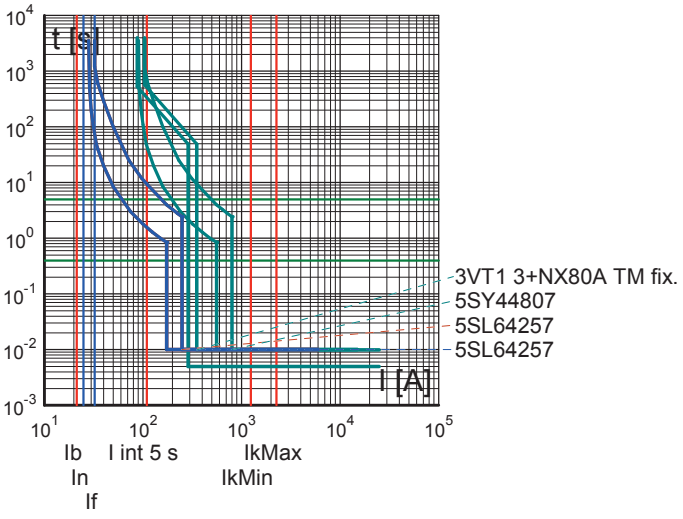
Curve tempo corrente: Progetto Impianto Elettrico
Quadro: SQCT-SGANCIO

Arrivo: SGANCIO CT



Curve tempo corrente: Progetto Impianto Elettrico
Quadro: SQCT

Arrivo: GENERALE CT



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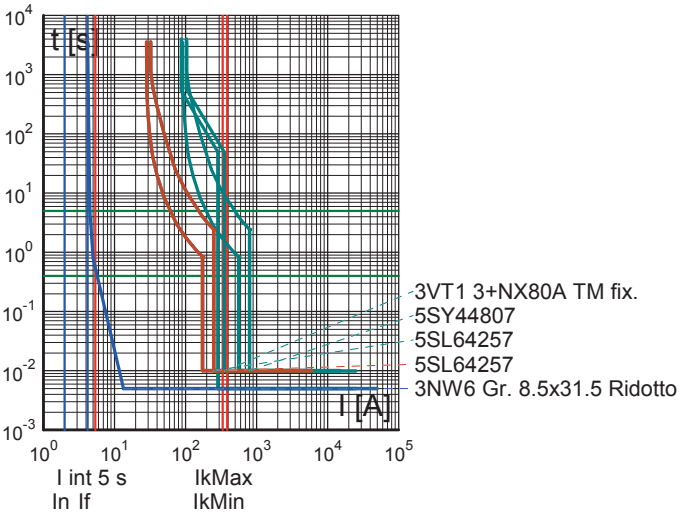
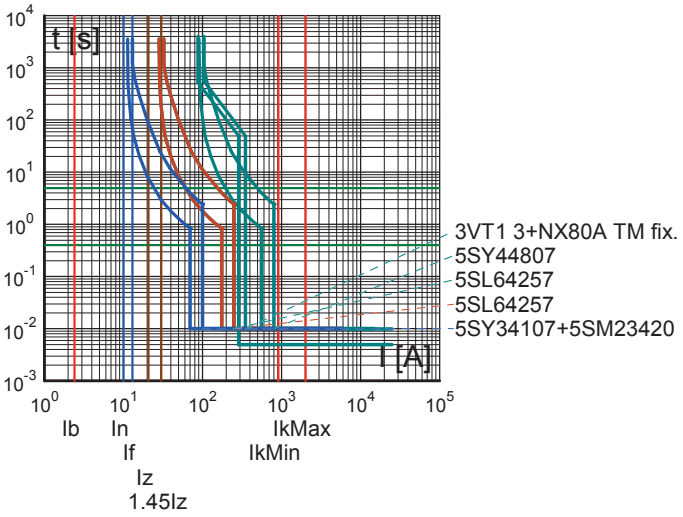
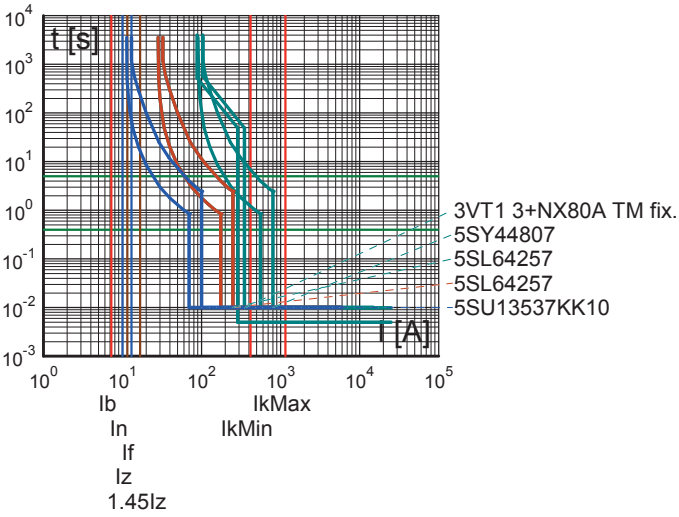


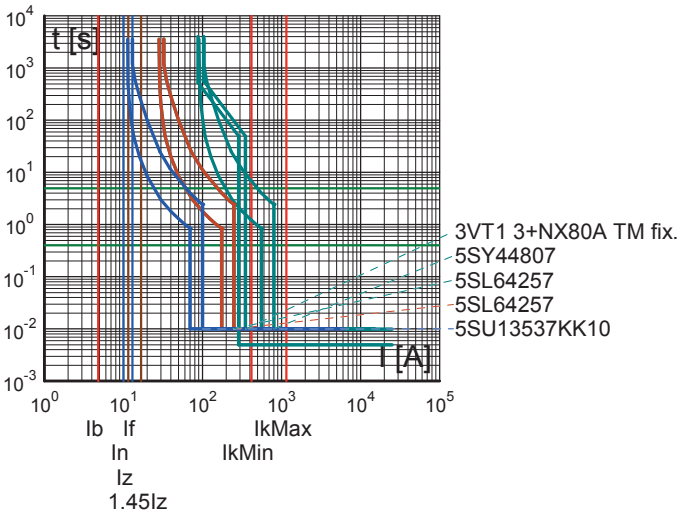
Partenza: CIRCOLATORE RADIATORE



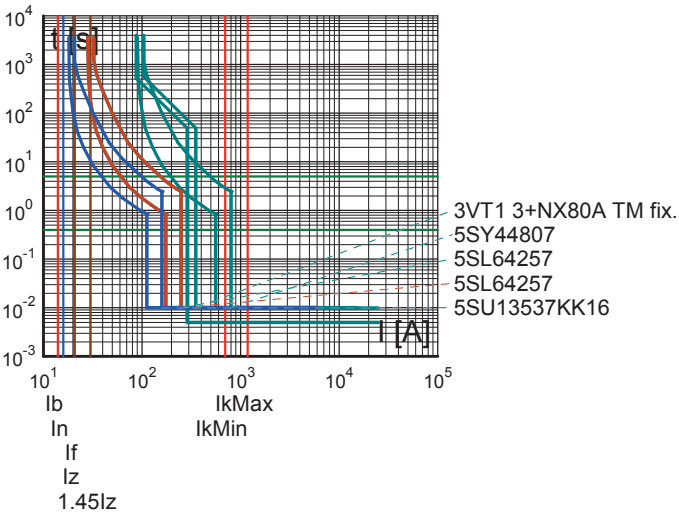
Partenza: CT



Partenza: ILLUMINAZIONE CT

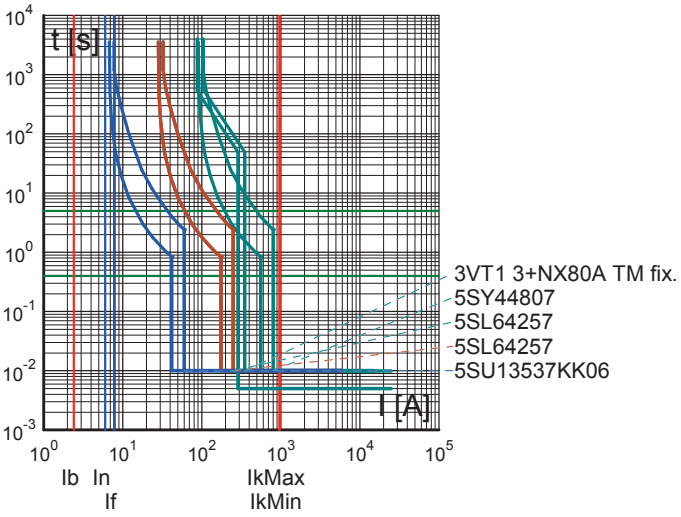


Partenza: PRESE

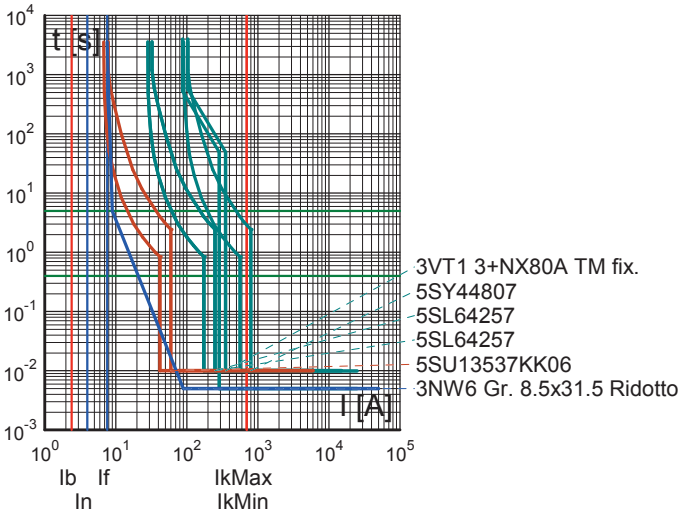


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: SQCT

Partenza: AUSILIARI

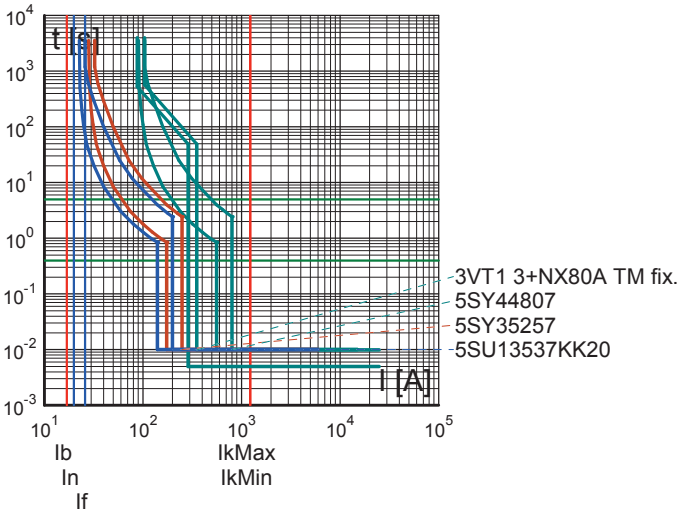


Partenza: TRA.FO 1

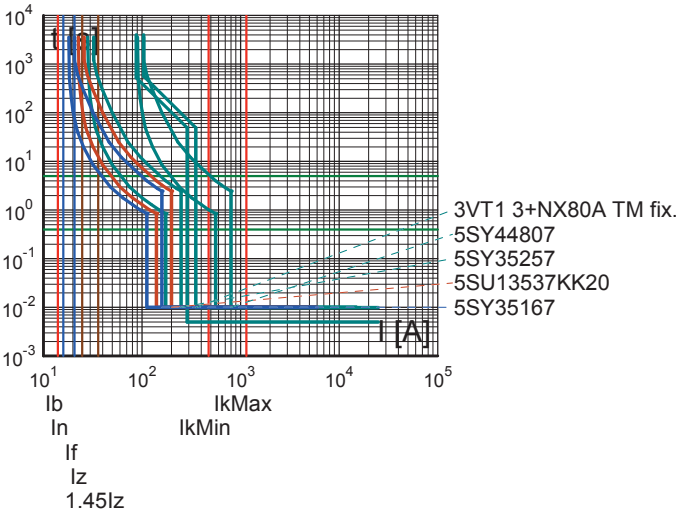


Curve tempo corrente: Progetto Impianto Elettrico
Quadro: SQSC

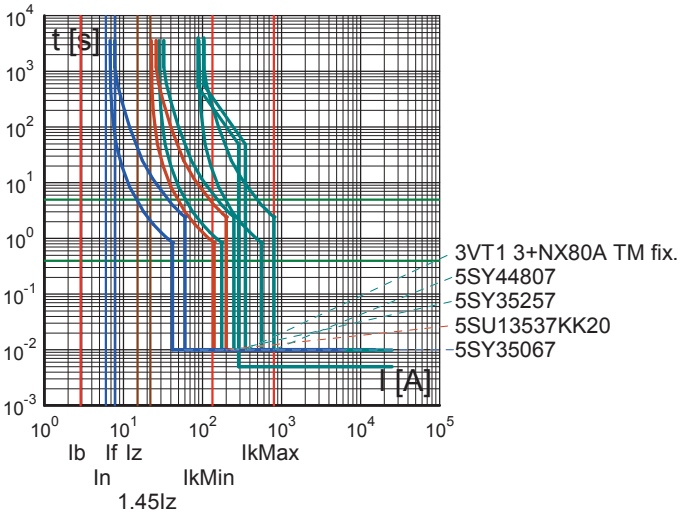
Arrivo: GEN SQSC



Partenza: PRESE SC+RIP



Partenza: ILLUMINAZIONE+EMR SC+RIP



Curve tempo corrente: Progetto Impianto Elettrico

I n d i c e

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Quadro: **SQCT-SGANCIO** . . . . . Pag. 11
Quadro: **SQCT** . . . . . Pag. 12
Quadro: **SQSC** . . . . . Pag. 14

Quadro: **Quadro Generale**	Tavola: **Q-0001**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GENERALE**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **5,276 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	$1.45I_z$	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
GENERALE	---	---	---	0,3		Quadripolare	---	15	5,28	---	---	---	---	---	---	---	---	68	80	---	104	---	SI
PRESENZA RETE	---	---	---	0,32		Quadripolare	---	50	5,18	---	---	---	---	---	---	---	---	0,1	2	---	4,2	---	SI
SQCENTR-IDRICA-VVF	1(4x6)	25	609	0,46		Quadripolare	---	6	5,18	---	---	18.324	736.164	11.178	736.164	---	---	4,811	16	35	21	51	SI
GENERALE SQCT	1(4x10)	30	220	0,83		Quadripolare	---	6	5,18	---	---	28.597	2.044.900	17.701	2.044.900	---	---	21	25	57	33	82	SI
GENERALE SQSC	1(3G6)	20	84	1,21		Monofase L1+N	---	6	3,6	---	---	15.775	736.164	15.775	736.164	---	---	17	25	50	33	73	SI
GENERALE AULE	---	---	---	0,32		Quadripolare	---	6	5,18	---	---	---	---	---	---	---	---	17	25	---	33	---	SI
GEN A1	---	---	---	0,4		Monofase L2+N	0,03 - Cl. A	6	3,33	0,03	5	---	---	---	---	---	---	17	20	---	26	---	SI
PRESE AULA 1	2(1x4)+(1PE4)	60	66	3,69		Monofase L2+N	0,03	6	3,05	0,03	4,81	9.312	327.184	9.312	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE+EMR AULA 1	2(1x1,5)+(1PE1,5)	20	123	1,08		Monofase L2+N	0,03	6	3,05	0,03	4,83	2.630	46.010	2.630	46.010	0	69.696	2,887	6	18	7,8	27	SI

Quadro: **Quadro Generale**	Tavola: **Q-0001**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GENERALE**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **5,276 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	$1.45I_z$	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
GEN A2	---	---	---	0,4		Monofase L3+N	0,03 - Cl. A	6	3,33	0,03	5	---	---	---	---	---	---	17	20	---	26	---	SI
PRESE AULA 2	2(1x4)+(1PE4)	60	66	3,69		Monofase L3+N	0,03	6	3,05	0,03	4,81	9.312	327.184	9.312	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE+EMR AULA 2	2(1x1,5)+(1PE1,5)	60	123	2,21		Monofase L3+N	0,03	6	3,05	0,03	4,51	2.630	46.010	2.630	46.010	0	69.696	2,887	6	18	7,8	27	SI
GEN A3	---	---	---	0,4		Monofase L1+N	0,03 - Cl. A	6	3,33	0,03	5	---	---	---	---	---	---	17	20	---	26	---	SI
PRESE AULA 3	2(1x4)+(1PE4)	60	66	3,69		Monofase L1+N	0,03	6	3,05	0,03	4,81	9.312	327.184	9.312	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE+EMR AULA 3	2(1x1,5)+(1PE1,5)	60	123	2,21		Monofase L1+N	0,03	6	3,05	0,03	4,51	2.630	46.010	2.630	46.010	0	69.696	2,887	6	18	7,8	27	SI
PRESE ATRIO	2(1x4)+(1PE4)	60	67	3,61		Monofase L2+N	0,03 - Cl. A	6	3,6	0,03	4,81	10.256	327.184	10.256	327.184	0	495.616	14	16	34	21	49	SI
PRESE CORRIDOIO	2(1x4)+(1PE4)	60	67	3,61		Monofase L3+N	0,03 - Cl. A	6	3,6	0,03	4,81	10.256	327.184	10.256	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE ESTERNA	2(1x4)+(1PE4)	15	204	0,62		Monofase L1+N	0,03 - Cl. A	6	3,6	0,03	4,95	8.076	327.184	8.076	327.184	0	495.616	4,811	10	34	13	49	SI

Quadro: **Quadro Generale**	Tavola: **Q-0001**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GENERALE**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **5,276 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	$1.45I_z$	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
AUSILIARI	--	---	---	0,39		Monofase L1+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	7,217	8	---	10	---	SI
TRA.FO 1 CIT.	--	---	---	0,57		Monofase L1+N	0,03	50	2,96	0,03	5	---	---	---	---	---	---	2,406	4	---	7,6	---	SI
TRA.FO 2 SUON.	--	---	---	0,57		Monofase L1+N	0,03	50	2,96	0,03	5	---	---	---	---	---	---	2,406	4	---	7,6	---	SI
TRA.FO 3 CAMP.	--	---	---	0,57		Monofase L1+N	0,03	50	2,96	0,03	5	---	---	---	---	---	---	2,406	4	---	7,6	---	SI
ILLUM CORRIDOIO	--	---	---	0,32		Monofase L1+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	2,406	10	---	13	---	SI
LINEA 1	2(1x1,5)+(1PE1,5)	15	310	0,55		Monofase L1+N	0,03	6	3,05	0,03	4,87	2.632	46.010	2.632	46.010	0	69.696	1,203	6	18	7,8	27	SI
LINEA 2	2(1x1,5)+(1PE1,5)	15	310	0,55		Monofase L1+N	0,03	6	3,05	0,03	4,87	2.632	46.010	2.632	46.010	0	69.696	1,203	6	18	7,8	27	SI
ILLUM ATRIO	--	---	---	0,32		Monofase L3+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	2,406	10	---	13	---	SI
LINEA 1	2(1x1,5)+(1PE1,5)	15	310	0,55		Monofase L3+N	0,03	6	3,05	0,03	4,87	2.632	46.010	2.632	46.010	0	69.696	1,203	6	18	7,8	27	SI

Quadro: **Quadro Generale**	Tavola: **Q-0001**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GENERALE**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **5,276 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito									Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	$1.45I_z$	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
LINEA 2	2(1x1,5)+(1PE1,5)	15	310	0,55		Monofase L3+N	0,03	6	3,05	0,03	4,87	2.632	46.010	2.632	46.010	0	69.696	1,203	6	18	7,8	27	SI
GENERALE WC	---	---	---	0,33		Quadripolare	---	6	5,18	---	---	---	---	---	---	---	---	20	25	---	33	---	SI
WC ALUNNE	---	---	---	0,41		Monofase L2+N	0,03 - Cl. AC	6	3,33	0,03	5	---	---	---	---	---	---	17	20	---	26	---	SI
PRESE WC	2(1x4)+(1PE4)	60	66	3,69		Monofase L2+N	0,03	6	3,05	0,03	4,81	9.312	327.184	9.312	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE+EMR WC	2(1x1,5)+(1PE1,5)	60	123	2,22		Monofase L2+N	0,03	6	3,05	0,03	4,51	2.630	46.010	2.630	46.010	0	69.696	2,887	6	18	7,8	27	SI
WC ALUNNI	---	---	---	0,41		Monofase L3+N	0,03 - Cl. AC	6	3,33	0,03	5	---	---	---	---	---	---	17	20	---	26	---	SI
PRESE WC	2(1x4)+(1PE4)	60	66	3,69		Monofase L3+N	0,03	6	3,05	0,03	4,81	9.312	327.184	9.312	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE+EMR WC	2(1x1,5)+(1PE1,5)	60	123	2,22		Monofase L3+N	0,03	6	3,05	0,03	4,51	2.630	46.010	2.630	46.010	0	69.696	2,887	6	18	7,8	27	SI
WC DISABILI + PROF.	---	---	---	0,42		Monofase L1+N	0,03 - Cl. AC	6	3,33	0,03	5	---	---	---	---	---	---	20	25	---	33	---	SI

Quadro: **Quadro Generale**	Tavola: **Q-0001**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GENERALE**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **5,276 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	1.45I_z	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
PRESE WC	2(1x4)+(1PE4)	60	66	3,7		Monofase L1+N	0,03	6	3,05	0,03	4,81	9.324	327.184	9.324	327.184	0	495.616	14	16	34	21	49	SI
ILLUMINAZIONE+EMR WC	2(1x1,5)+(1PE1,5)	60	123	2,23		Monofase L1+N	0,03	6	3,05	0,03	4,51	2.632	46.010	2.632	46.010	0	69.696	2,887	6	18	7,8	27	SI
ESTRATTORI	2(1x1,5)+(1PE1,5)	60	123	2,23		Monofase L1+N	0,03	6	3,05	0,03	4,51	2.632	46.010	2.632	46.010	0	69.696	2,887	6	18	7,8	27	SI
RACK	---	---	---	0,39		Monofase L2+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	28	32	---	42	---	SI
PRESE ENTRA UPS	2(1x4)+(1PE4)	40	66	2,6		Monofase L2+N	0,03	6	3,39	0,03	4,87	10.613	327.184	10.613	327.184	0	495.616	14	16	34	21	49	SI
PRESE ESCE UPS	2(1x4)+(1PE4)	10	66	0,99		Monofase L2+N	0,03	6	3,39	0,03	4,97	10.613	327.184	10.613	327.184	0	495.616	14	16	34	21	49	SI
RISERVA	---	---	---	0,3		Monofase L3+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	0	16	---	21	---	SI
RISERVA	---	---	---	0,3		Monofase L1+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	0	16	---	21	---	SI
RISERVA	---	---	---	0,3		Monofase L2+N	0,03 - Cl. A	6	3,6	0,03	5	---	---	---	---	---	---	0	16	---	21	---	SI

Quadro: **SQCENTR-IDRICA-VVF**	Tavola: **Q-0002**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GEN_SQCENTR-IDRICA-VVF**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **1,968 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	1.45I_z	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
GEN_SQCENTR-IDRICA-VVF	--	---	---	0,47		Quadripolare	0,3 - Cl. AC	6	1,97	0,3	5	---	---	---	---	---	---	4,811	20	---	26	---	SI
SQ COMANDO POMPA VVF	1(4x4)+(1PE4)	5	386	0,54		Quadripolare	0,3	6	1,9	0,3	4,98	4.534	327.184	2.123	327.184	0	211.600	4,811	10	28	13	41	SI
RISERVA	--	---	---	0,47		Monofase L2+N	0,03 - Cl. A	6	1,02	0,03	5	---	---	---	---	---	---	0	10	---	13	---	SI
RISERVA	--	---	---	0,47		Monofase L3+N	0,03 - Cl. A	6	1,02	0,03	5	---	---	---	---	---	---	0	10	---	13	---	SI

Quadro: **SQCT-SGANCIO**	Tavola: **Q-0003**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **SGANCIO CT**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **2,438 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito								Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	$1.45I_z$	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
SGANCIO CT	1(4x10)	2	190	0,87		Quadripolare	---	---	2,44	---	---	11.968	2.044.900	5.821	2.044.900	---	---	21	25	57	33	82	SI
C-1	---	0	---	0,87		Quadripolare	---	---	2,34	110	5	---	---	---	---	---	---	21	25	---	33	---	SI

Quadro: **SQCT**	Tavola: **Q-0004**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GENERALE CT**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **2,338 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	1.45I_z	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
GENERALE CT	---	---	---	0,9		Quadripolare	---	6	2,34	---	---	---	---	---	---	---	---	21	25	---	33	---	SI
PRESENZA RETE	---	---	---	0,92		Quadripolare	---	50	2,26	---	---	---	---	---	---	---	---	0,1	2	---	4,2	---	SI
CIRCOLATORE RADIATORE	1(4x2,5)+(1PE2,5)	3	428	0,93		Quadripolare	0,03 - Cl. AC	6	2,26	0,03	4,98	5.157	127.806	2.358	127.806	0	82.656	2,406	10	21	13	30	SI
CT	2(1x1,5)+(1PE1,5)	15	41	2,09		Monofase L1+N	0,03 - Cl. A	6	1,25	0,03	4,87	3.393	29.756	3.393	29.756	0	29.756	7,217	10	12	13	17	SI
ILLUMINAZIONE CT	2(1x1,5)+(1PE1,5)	15	63	1,67		Monofase L3+N	0,03 - Cl. A	6	1,25	0,03	4,87	3.393	29.756	3.393	29.756	0	29.756	4,811	10	12	13	17	SI
PRESE	2(1x4)+(1PE4)	15	54	1,82		Monofase L3+N	0,03 - Cl. A	6	1,25	0,03	4,95	4.108	211.600	4.108	211.600	0	211.600	14	16	21	21	30	SI
AUSILIARI	---	---	---	1		Monofase L1+N	0,03 - Cl. A	6	1,25	0,03	5	---	---	---	---	---	---	2,406	6	---	7,8	---	SI
TRA.FO 1	---	---	---	1,17		Monofase L1+N	0,03	50	0,97	0,03	5	---	---	---	---	---	---	2,406	4	---	7,6	---	SI

Quadro: **SQSC**	Tavola: **Q-0005**	Impianto: **Progetto Impianto Elettrico**		
Sigla Arrivo: **GEN SQSC**	Cliente:	Descrizione Quadro:		
Sistema di distribuzione: **TT**	Resistenza di terra: **10 [Ω]**	C.d.t. % Max ammessa: **4** %	Icc di barratura: **1,278 [kA]**	Tensione: **400 [V]**

Circuito					Apparecchiatura			Corto circuito										Sovraccarico					Test
Lunghezza ≤ Lunghezza max C.d.t. % con I_b ≤ C.d.t. max								Icc max ≤ P.d.I.				$I^2t \leq K^2S^2$						$I_b \leq I_n \leq I_z$			$I_f \leq 1{,}45\ I_z$		
												FASE		NEUTRO		PROTEZIONE							
Sigla utenza	Sezione	L	L max	C.d.t.% con I_b	Tipo	Distribuzione	I_d	P.d.I.	Icc max	I di Int. Prot.	I gt Fondo Linea	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I^2t max Inizio Linea	K^2S^2	I_b	I_n	I_z	I_f	$1.45I_z$	
	[mm^2]	[m]	[m]	[%]			[A]	[kA]	[kA]	[A]	[A]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A^2S]	[A]	[A]	[A]	[A]	[A]	
GEN SQSC	---	---	---	1,29		Monofase L1+N	0,03 - Cl. A	6	1,28	0,03	5	---	---	---	---	---	---	17	20	---	26	---	SI
PRESE SC+RIP	2(1x2,5)+(1PE2,5)	20	30	3,12		Monofase L1+N	0,03	6	1,22	0,03	4,89	3.110	127.806	3.110	127.806	0	193.600	14	16	25	21	36	SI
ILLUMINAZIONE+EMR SC+RIP	2(1x1,5)+(1PE1,5)	60	92	3,11		Monofase L1+N	0,03	6	1,22	0,03	4,51	1.330	46.010	1.330	46.010	0	69.696	2,887	6	15	7,8	22	SI