



Disjoncteurs divisionnaires PLS6

Miniature Circuit Breakers PLS6

1 Pole, 6kA Norme IEC/EN 60989

Courbe / Characteristic C



I _n (A)	Code	Type	Pack
6	242675	PLS6-C6	12
10	242677	PLS6-C10	12
16	242681	PLS6-C16	12
20	242682	PLS6-C20	12
25	242683	PLS6-C25	12
32	242684	PLS6-C32	12
40	242685	PLS6-C40	12
50	242686	PLS6-C50	12
63	242687	PLS6-C63	12

1 Pole + N 6kA Norme IEC/EN 60989

Courbe / Characteristic C



I _n (A)	Code	Type	Pack
6	242805	PLZ6-C6/1N	6
10	242807	PLZ6-C10/1N	6
16	242811	PLZ6-C16/1N	6
20	242812	PLZ6-C20/1N	6
25	242813	PLZ6-C25/1N	6
32	242814	PLZ6-C32/1N	6
40	242815	PLZ6-C40/1N	6
50	242816	PLZ6-C50/1N	6
63	242817	PLZ6-C63/1N	6

2 Poles, 6kA Norme IEC/EN 60989

Courbe / Characteristic C



I _n (A)	Code	Type	Pack
6	242874	PLS6-C6/2	6
10	242876	PLS6-C10/2	6
16	242880	PLS6-C16/2	6
20	242881	PLS6-C20/2	6
25	242882	PLS6-C25/2	6
32	242883	PLS6-C32/2	6
40	242884	PLS6-C40/2	6
50	242885	PLS6-C50/2	6
63	242886	PLS6-C63/2	6

Disjoncteurs divisionnaires PLS6

Miniature Circuit Breakers PLS6

3 Poles, 6kA Norme IEC/EN 60989

Courbe / Characteristic C



I _n (A)	Code	Type	Pack
6	242943	PLS6-C6/3	4
10	242945	PLS6-C10/3	4
16	242949	PLS6-C16/3	4
20	242950	PLS6-C20/3	4
25	242951	PLS6-C25/3	4
32	242952	PLS6-C32/3	4
40	242953	PLS6-C40/3	4
50	242954	PLS6-C50/3	4
63	242955	PLS6-C63/3	4

3 Poles + N 6kA Norme IEC/EN 60989

Courbe / Characteristic C



I _n (A)	Code	Type	Pack
6	243012	PLS6-C6/3N	3
10	243014	PLS6-C10/3N	3
16	243018	PLS6-C16/3N	3
20	243019	PLS6-C20/3N	3
25	243020	PLS6-C25/3N	3
32	243021	PLS6-C32/3N	3
40	243022	PLS6-C40/3N	3
50	243023	PLS6-C50/3N	3
63	243024	PLS6-C63/3N	3

4 Poles, 6kA Norme IEC/EN 60989

Courbe / Characteristic C



I _n (A)	Code	Type	Pack
6	243081	PLS6-C6/4	3
10	243083	PLS6-C10/4	3
16	243087	PLS6-C16/4	3
20	243088	PLS6-C20/4	3
25	243089	PLS6-C25/4	3
32	243090	PLS6-C32/4	3
40	243091	PLS6-C40/4	3
50	243092	PLS6-C50/4	3
63	243093	PLS6-C63/4	3

Autre Ampérage autre courbe sur commande
Other Type on request

Disjoncteurs divisionnaires PLSM

Miniature Circuit Breakers PLSM

1 Pole, 10 kA Norme IEC/EN 60989

Courbe/Characteristic B, C, D



I _n (A)	Courbe B		Courbe C		Courbe D		Pack
	Code	Type	Code	Type	Code	Type	
6	242174	PLSM-B6	242200	PLSM-C6	242223	PLSM-D6	12
10	242176	PLSM-B10	242202	PLSM-C10	242225	PLSM-D10	12
16	242180	PLSM-B16	242206	PLSM-C16	242229	PLSM-D16	12
20	242181	PLSM-B20	242207	PLSM-C20	242230	PLSM-D20	12
25	242182	PLSM-B25	242208	PLSM-C25	242231	PLSM-D25	12
32	242183	PLSM-B32	242209	PLSM-C32	242232	PLSM-D32	12
40	242184	PLSM-B40	242210	PLSM-C40	242233	PLSM-D40	12
50	242185	PLSM-B50	242211	PLSM-C50			12
63	242186	PLSM-B63	242212	PLSM-C63			12

1 Pole+N, 10 kA Norme IEC/EN 60989

Courbe/Characteristic B, C, D



I _n (A)	Courbe B		Courbe C		Courbe D		Pack
	Code	Type	Code	Type	Code	Type	
6			242330	PLZM-C6/1N	242353	PLZM-D6/1N	6
10			242332	PLZM-C10/1N	242355	PLZM-D10/1N	6
16			242336	PLZM-C16/1N	242359	PLZM-D16/1N	6
20			242337	PLZM-C20/1N	242360	PLZM-D20/1N	6
25			242338	PLZM-C25/1N	242361	PLZM-D25/1N	6
32			242339	PLZM-C32/1N	242362	PLZM-D32/1N	6
40			242340	PLZM-C40/1N	242363	PLZM-D40/1N	6
50			242341	PLZM-C50/1N			6
63			242342	PLZM-C63/1N			6

2 Poles, 10 kA Norme IEC/EN 60989

Courbe/Characteristic B, C, D



I _n (A)	Courbe B		Courbe C		Courbe D		Pack
	Code	Type	Code	Type	Code	Type	
6	242373	PLSM-B6/2	242399	PLSM-C6/2	242422	PLSM-D6/2	6
10	242375	PLSM-B10/2	242401	PLSM-C10/2	242424	PLSM-D10/2	6
16	242379	PLSM-B16/2	242405	PLSM-C16/2	242428	PLSM-D16/2	6
20	242380	PLSM-B20/2	242406	PLSM-C20/2	242429	PLSM-D20/2	6
25	242381	PLSM-B25/2	242407	PLSM-C25/2	242430	PLSM-D25/2	6
32	242382	PLSM-B32/2	242408	PLSM-C32/2	242431	PLSM-D32/2	6
40	242383	PLSM-B40/2	242409	PLSM-C40/2	242432	PLSM-D40/2	6
50	242384	PLSM-B50/2	242410	PLSM-C50/2			
63	242385	PLSM-B63/2	242411	PLSM-C63/2			

Disjoncteurs divisionnaires PLSM

Miniature Circuit Breakers PLSM

3 Poles, 10 kA Norme IEC/EN 60989

Courbe/Characteristic B, C, D



I _n (A)	Courbe B		Courbe C		Courbe D		Pack
	Code	Type	Code	Type	Code	Type	
6	242442	PLSM-B6/3	242468	PLSM-C6/3	242491	PLSM-D6/3	4
10	242444	PLSM-B10/3	242470	PLSM-C10/3	242493	PLSM-D10/3	4
16	242448	PLSM-B16/3	242474	PLSM-C16/3	242497	PLSM-D16/3	4
20	242449	PLSM-B20/3	242475	PLSM-C20/3	242498	PLSM-D20/3	4
25	242450	PLSM-B25/3	242476	PLSM-C25/3	242499	PLSM-D25/3	4
32	242451	PLSM-B32/3	242477	PLSM-C32/3	242500	PLSM-D32/3	4
40	242452	PLSM-B40/3	242478	PLSM-C40/3	242501	PLSM-D40/3	4
50	242453	PLSM-B50/3	242479	PLSM-C50/3			4
63	242454	PLSM-B63/3	242480	PLSM-C63/3			4

3 Poles+N, 10 kA Norme IEC/EN 60989

Courbe/Characteristic B, C, D



I _n (A)	Courbe B		Courbe C		Courbe D		Pack
	Code	Type	Code	Type	Code	Type	
6	242511	PLSM-B6/3N	242537	PLSM-C6/3N	242560	PLSM-D6/3N	3
10	242513	PLSM-B10/3N	242539	PLSM-C10/3N	242562	PLSM-D10/3N	3
16	242517	PLSM-B16/3N	242543	PLSM-C16/3N	242566	PLSM-D16/3N	3
20	242518	PLSM-B20/3N	242544	PLSM-C20/3N	242567	PLSM-D20/3N	3
25	242519	PLSM-B25/3N	242545	PLSM-C25/3N	242568	PLSM-D25/3N	3
32	242520	PLSM-B32/3N	242546	PLSM-C32/3N	242569	PLSM-D32/3N	3
40	242521	PLSM-B40/3N	242547	PLSM-C40/3N	242570	PLSM-D40/3N	3
50	242522	PLSM-B50/3N	242548	PLSM-C50/3N			3
63	242523	PLSM-B63/3N	242549	PLSM-C63/3N			3

4 Poles, 10 kA Norme IEC/EN 60989

Courbe/Characteristic B, C, D



I _n (A)	Courbe B		Courbe C		Courbe D		Pack
	Code	Type	Code	Type	Code	Type	
6	242580	PLSM-B6/4	242606	PLSM-C6/4	242629	PLSM-D6/4	3
10	242582	PLSM-B10/4	242608	PLSM-C10/4	242631	PLSM-D10/4	3
16	242586	PLSM-B16/4	242612	PLSM-C16/4	242635	PLSM-D16/4	3
20	242587	PLSM-B20/4	242613	PLSM-C20/4	242636	PLSM-D20/4	3
25	242588	PLSM-B25/4	242614	PLSM-C25/4	242637	PLSM-D25/4	3
32	242589	PLSM-B32/4	242615	PLSM-C32/4	242638	PLSM-D32/4	3
40	242590	PLSM-B40/4	242616	PLSM-C40/4	242639	PLSM-D40/4	3
50	242591	PLSM-B50/4	242617	PLSM-C50/4			3
63	242592	PLSM-B63/4	242618	PLSM-C63/4			3

Autre Ampérage autre courbe sur commande
Other Type on request

Disjoncteurs divisionnaires PLS...

Miniature Circuit Breakers PLS...

CARACTERISTIQUES TECHNIQUES | TECHNICAL DATA

ELECTRIQUES | ELECTRICAL

Homologation	PLS. PLS6-DC	Design according to	PLS. PLS6-DC	IEC/EN 60898 IEC/EN 60947-2
Tension assignée	PLS.. PLS.. PLS6	Rated voltage	PLS.. PLS.. PLS6	AC : 230/400 V DC : 48 V (per pole) DC : 250 V (per pole)
Fréquence assignée		Rated frequency		50/60 HZ
Fréquence assignée IEC/EN 60898	PLS6 PLSM	Rated breaking capacity according to IEC/EN 60898	PLS6 PLSM	6/10 kA 10/15 kA
Courbe de déclenchement		Characteristic		B, C, D
Fusible amont max	>10 kA >6 kA	Back-up fuse	>10 kA >6 kA	125 A gl max 100 A gl max
Classe de sélectivité		Selectivity class		3
Raccordement réseau		Line voltage connection		optional (above/below)
Durée de vie		Endurance		≥ 8000 operating cycles

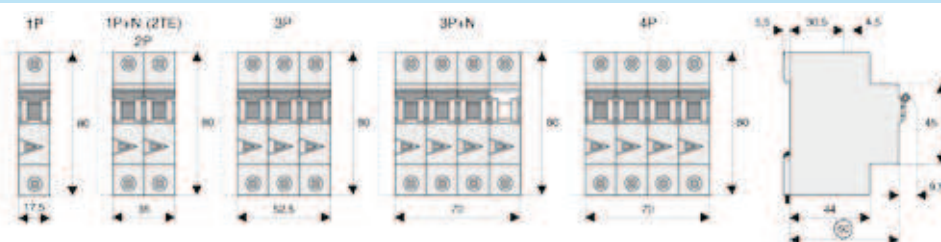
MÉCANIQUES | MECHANICAL

Epaulement	Frame size	45 mm
Hauteur	Device height	80 mm
Largeur	Device width	17,5 mm per pole (1 MU)
Montage	Mounting	quick fastening with 3 lock-in positions on DIN rail EN 50022
Degré de protection	Degree of protection	IP 20
Bornes arrivée et départ	Upper and lower terminals	open mouthed/lift terminals
Protection de bornes	Terminal protection	finger and hand touch safe, BGV A3, ÖVE-EN 6
Section de raccordement	Terminal capacity	1-25 mm ²
Couple de serrage	Terminal fastening torque	1-2,5 Nm
Rigidité du rail requise	Busbar thickness	0,8-2 mm

ACCESSOIRES | ACCESSORIES

Contact auxiliaire pour montage ultérieur	Auxiliary switch for subsequent installation	ZP-AHK
Contact auxiliaire signalisation de défaut pour montage ultérieur	Tripping signal contact for subsequent installation	ZP-NHK
Réenclencheur automatique	Remote control and automatic switching device	Z-FW/LP
Bobine à émission	Shunt trip release	ZP-ASA/..
Bobine à manque de tension	Under voltage release	Z-USA/..
Cache Bornes	Compact enclosure	CB7CB1-2 CB7CB3-4
Borne supplémentaire 35mm ²	Additional terminal 35mm ²	Z-HA-EK/35
Kit de cadenassage	Anti-tamper device	HA7-SPE

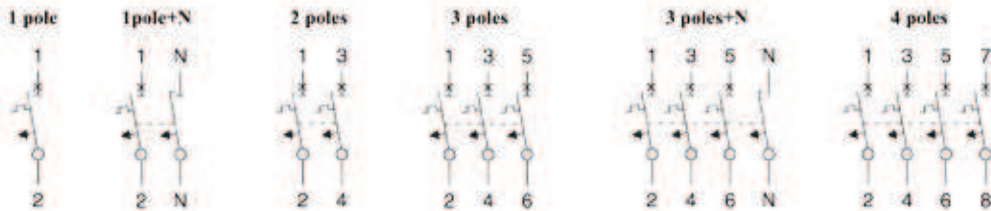
DIMENSIONS (mm)



Disjoncteurs divisionnaires PLS...

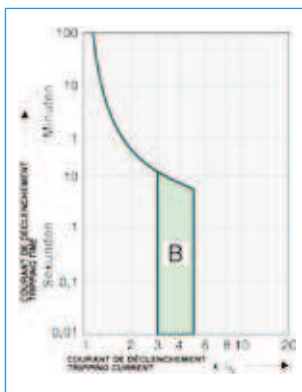
Miniature Circuit Breakers PLS...

SCHÉMAS DE CONNEXIONS | CONNECTION DIAGRAMS

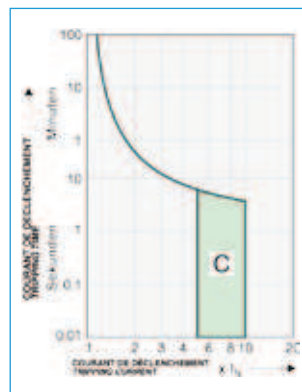


COURBE DE DÉCLENCHEMENT (IEC/EN 60898) TRIPPING CHARACTERISTICS (IEC/EN 60898)

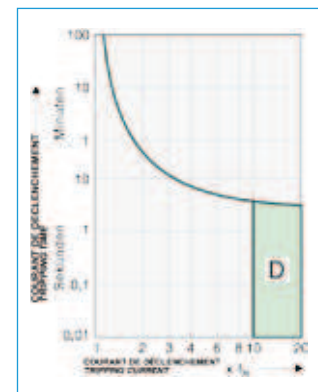
Courbe de déclenchement B
Tripping characteristic B



Courbe de déclenchement C
Tripping characteristic C



Courbe de déclenchement D
Tripping characteristic D



Courbes rapides (B), lentes (C), très lentes (D)

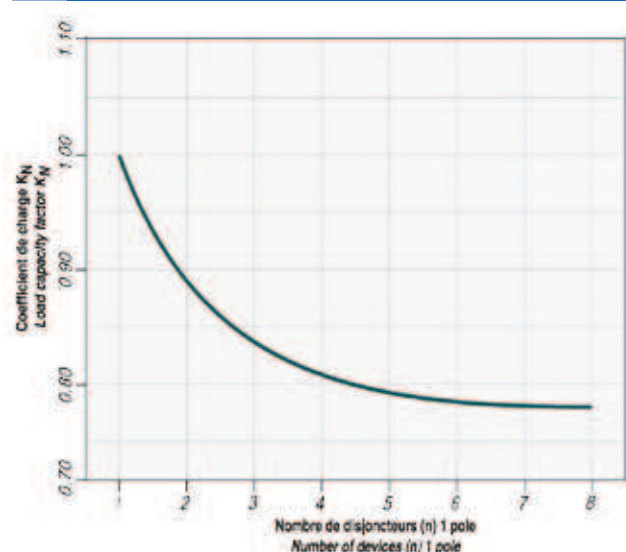
Quick-acting (B), slow (C), very slow (D)

INFLUENCE DE LA TEMPÉRATURE AMBIANTE SUR LE DÉCLENCHEMENT THERMIQUE EFFECT OF THE AMBIENT TEMPERATURE ON THERMAL TRIPPING BEHAVIOUR

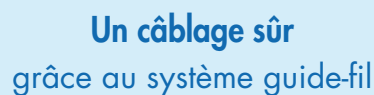
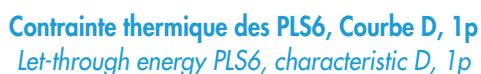
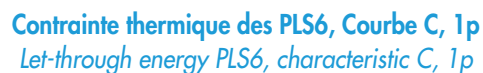
		Ambient temperature (°C)																
		-25	-20	-10	0	10	20	30	35	40	45	50	55	60				
I _n [A]	0.16	0.20	0.19	0.19	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14				
	0.25	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22				
	0.5	0.61	0.60	0.58	0.56	0.54	0.52	0.50	0.49	0.46	0.47	0.46	0.45	0.44				
	0.75	0.92	0.90	0.87	0.84	0.81	0.78	0.75	0.74	0.73	0.71	0.69	0.68	0.66				
	1	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.99	0.97	0.95	0.93	0.90	0.89				
	1.5	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3				
	1.6	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4				
	2	2.4	2.4	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8				
	2.5	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2				
	3	3.7	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.8	2.8	2.8	2.7	2.7				
	3.5	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.4	3.3	3.2	3.2	3.1				
	4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.8	3.8	3.7	3.6	3.5				
	5	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.7	4.7	4.6	4.5	4.4				
	6	7.3	7.2	7.0	6.7	6.5	6.3	6.0	5.9	5.8	5.7	5.6	5.4	5.3				
	8	9.8	9.6	9.3	9.0	8.7	8.4	8.0	7.9	7.7	7.6	7.4	7.2	7.1				
	10	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9				
	12	15	14	14	13	13	12	12	12	11	11	11	11	11				
	13	16	16	15	15	14	14	13	13	13	12	12	12	12				
	15	18	18	17	17	16	16	15	15	15	14	14	14	13				
	16	20	19	19	18	17	17	16	16	15	15	15	14	14				
	20	24	24	23	22	22	21	20	20	19	19	19	18	18				
	25	31	30	29	28	27	26	25	25	24	24	23	23	22				
	32	38	38	37	36	35	33	32	32	31	30	30	29	28				
	40	46	46	45	43	42	40	39	39	38	37	36	36	35				
	50	61	60	58	56	54	52	50	49	48	47	46	45	44				
	63	77	76	73	71	68	66	63	62	61	60	58	57	56				

Valeurs corrigées du courant assigné en fonction de la température ambiante
Adjusted rated current values according to the ambient temperature

CAPACITÉ DE CHARGE DE DISJONCTEURS MONTÉS EN RANGÉES LOAD CAPACITY OF SERIES CONNECTED MINIATURE CIRCUIT BREAKERS



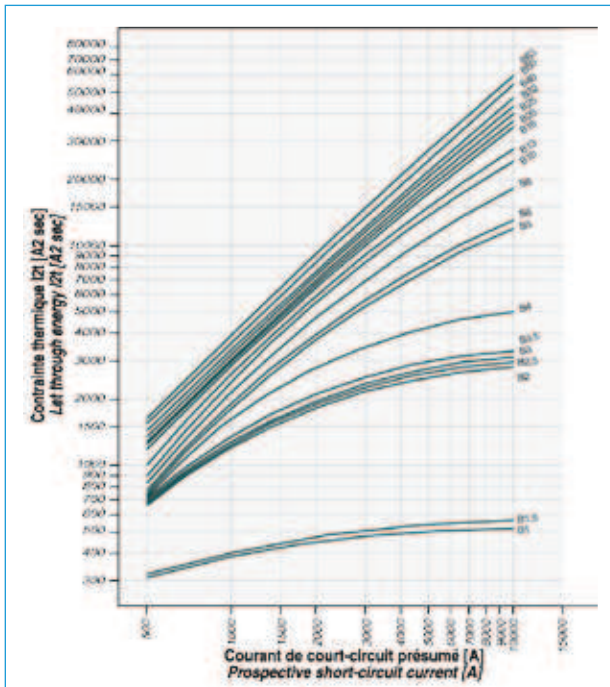
Contrainte thermique des PLS6, Courbe B, 1p
Let-through energy PLS6, characteristic B, 1p



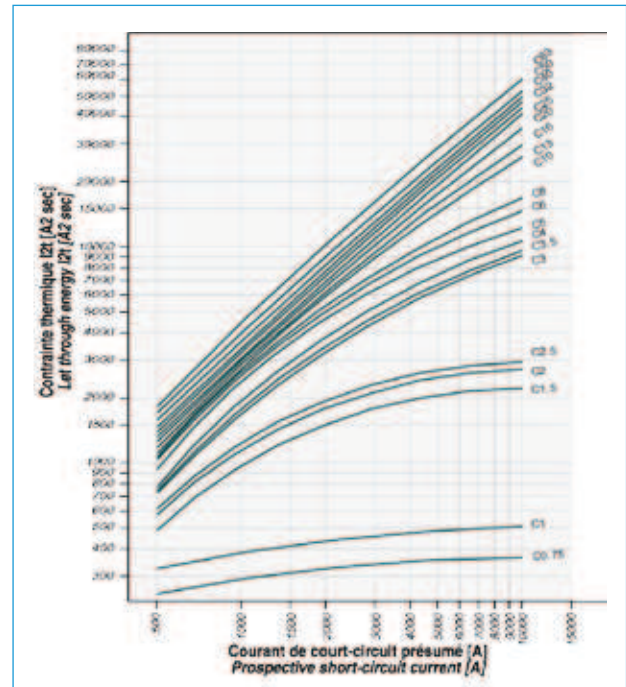
Miniature Circuit Breakers PLSM

CONTRAINTE THERMIQUE DES DISJONCTEURS DIVISIONNAIRES PLSM

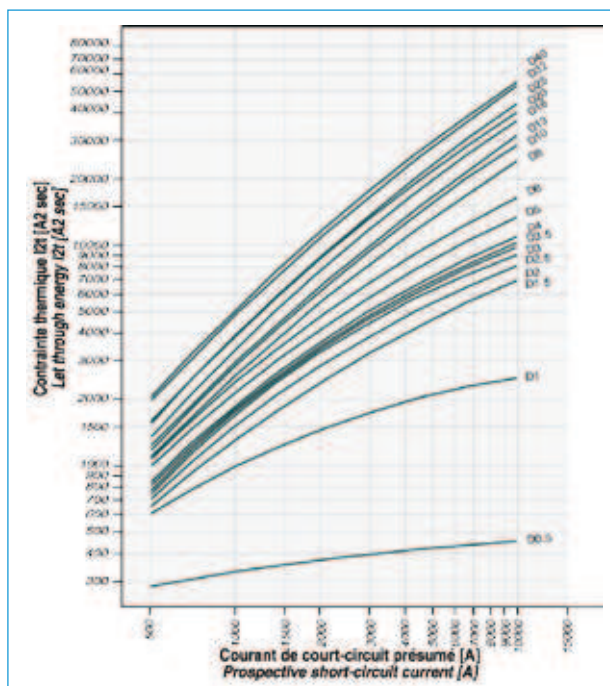
Contrainte thermique des PLSM, Courbe B, 1p
Let-through energy PLSM, characteristic B, 1p



Contrainte thermique des PLSM, Courbe C, 1p
Let-through energy PLSM, characteristic C, 1p



Contrainte thermique des PLSM, Courbe D, 1p
Let-through energy PLSM, characteristic D, 1p



Un repérage direct de l'état des contacts

Grâce au système indépendant de la manette.

