

Disjoncteurs divisionnaires PLS6-PLZ6

Miniature Circuit Breakers PLS6-PLZ6

6 kA (EN 60 898) 10 kA (EN 60 947-2)

1 Pole

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

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

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

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3 Poles

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

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

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

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CARACTERISTIQUES TECHNIQUES | TECHNICAL DATA

ELECTRIQUES | ELECTRICAL

Homologation	PLS./PLZ. PLS6-DC/PLZ6-DC	Design according to	PLS./PLZ. PLS6-DC/PLZ6-DC	IEC/EN 60898 IEC/EN 60947-2
Tension assignée	PLS../PLZ.. PLS../PLZ.. PLS6 DC/PLZ6	Rated voltage	PLS../PLZ.. PLS../PLZ.. PLS6 DC/PLZ6	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/PLZ6 PLSM/PLZM	Rated breaking capacity according to IEC/EN 60898	PLS6/PLZ6 PLSM/PLZM	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

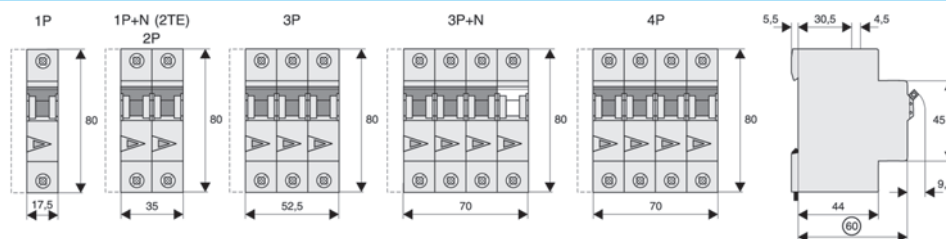
MÉCANIQUES | MECHANICAL

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

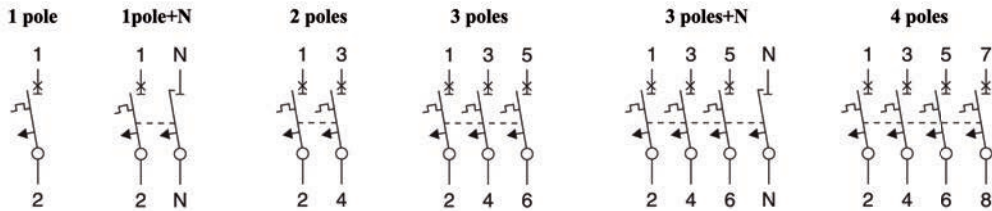
DIMENSIONS (mm)



Disjoncteurs divisionnaires PLS.../PLZ...

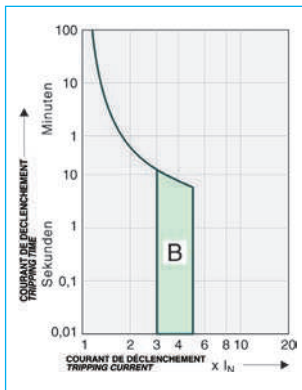
Miniature Circuit Breakers PLS.../PLZ...

SCHÉMAS DE CONNEXIONS | CONNECTION DIAGRAMS

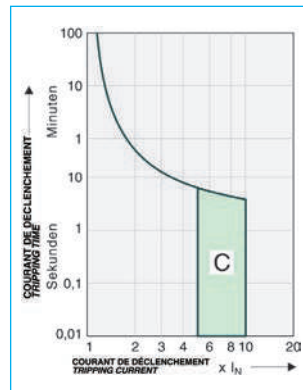


COURBE DE DÉCLENCHEMENT (IEC/EN 60898) TRIPPING CHARACTERISTICS (IEC/EN 60898)

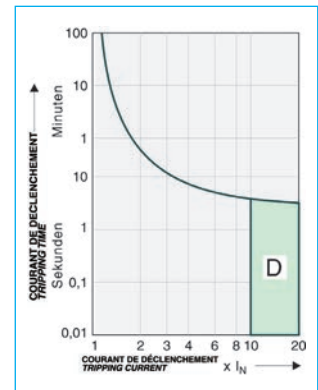
Courbe de déclenchement B
Tripping characteristic B



Courbe de déclenchement C
Tripping characteristic C



Courbe de déclenchement D
Tripping characteristic D



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

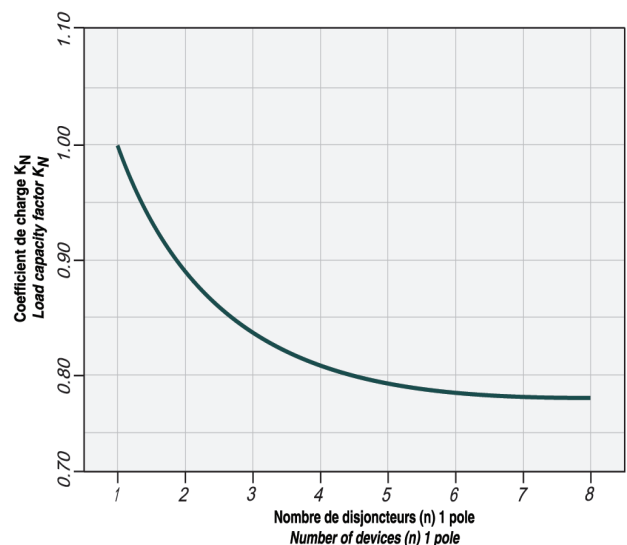
Quick-acting (B), slow (C), very slow (D)

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

I _n [A]	Ambient temperature T [°C]															
	-25	-20	-10	0	10	20	30	35	40	45	50	55	60	65	70	75
0.16	0.20	0.19	0.9	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.12	0.11
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	0.21	0.20	0.19
0.5	0.61	0.60	0.58	0.56	0.54	0.52	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41
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	0.65	0.64	0.63
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	0.88	0.87	0.86
1.5	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2
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	1.4	1.3	1.3
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	1.8	1.7	1.7
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	2.2	2.1	2.1
3	3.7	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.6	2.6
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	3.1	3.0	3.0
4	4.9	4.8	4.7	4.5	4.3	4.2	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.5	3.4	3.4
5	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.4	4.3	4.3
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	5.3	5.2	5.2
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	7.1	7.0	7.0
10	12	12	12	11	11	10	10	9.9	9.7	9.5	9.3	9.0	8.9	8.9	8.8	8.8
12	15	14	14	13	13	12	12	12	11	11	11	11	11	11	10	10
13	16	16	15	15	14	14	13	13	13	12	12	12	12	12	11	11
15	18	18	17	17	16	16	15	15	15	14	14	14	13	13	13	13
16	20	19	19	18	17	17	16	16	15	15	15	14	14	14	14	14
20	24	24	23	22	22	21	20	20	19	19	19	18	18	18	17	17
25	31	30	29	28	27	26	25	25	24	24	23	23	22	22	21	21
32	39	38	37	36	35	33	32	32	31	30	30	29	28	28	27	27
40	49	48	47	45	43	42	40	39	39	38	37	36	35	35	34	34
50	61	60	58	56	54	52	50	49	48	47	46	45	44	44	43	43
63	77	76	73	71	68	66	63	62	61	60	58	57	56	56	55	55

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

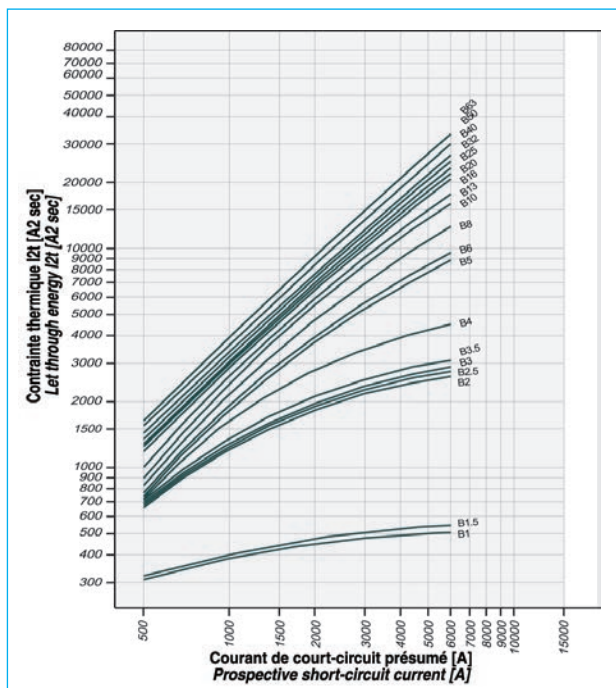


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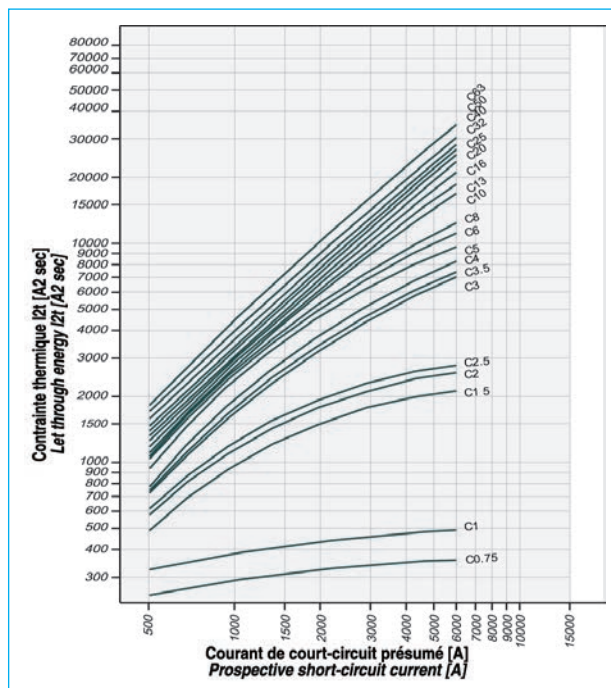
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CONTRAÎNTE THERMIQUE DES DISJONCTEURS DIVISIONNAIRES PLS6/PLZ6 LET-THROUGH ENERGY PLS6/PLZ6

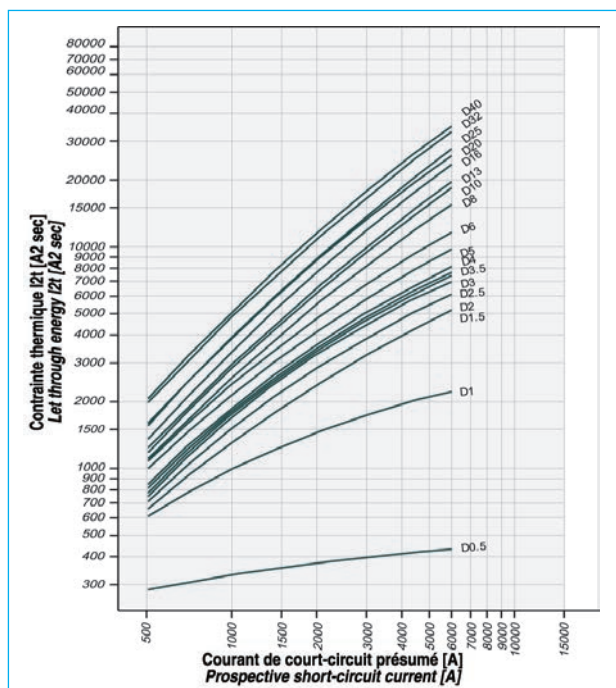
Contrainte thermique des PLS6/PLZ6, Courbe B, 1p
Let-through energy PLS6/PLZ6, characteristic B, 1p



Contrainte thermique des PLS6/PLZ6, Courbe C, 1p
Let-through energy PLS6/PLZ6, characteristic C, 1p



Contrainte thermique des PLS6/PLZ6, Courbe D, 1p
Let-through energy PLS6/PLZ6, characteristic D, 1p



Un câblage sûr grâce au système guide-fil

Pas de câble qui passe derrière la borne.

