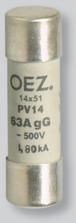
SUMMARY OF MODELS OF HRC FUSE-LINKS

Type		PVA10 / PV10	PV14	PV22
Rated current I_n		up to 32 A	up to 63 A	up to 125 A
Rated voltage U_n	AC	400 V, 500 V	400 V, 500 V, 690 V	400 V, 500 V, 690 V
	DC	250 V	250 V	250 V
Fuse-link size		10x38	14x51	22x58
Utilization category of the fuse-link		gG, aM	gG, aM	gG, aM

Use			
Fuse switch-disconnectors for cylindrical fuse-links 	OPVP10 ..	OPVP14..	OPVP22 ..

Accessories			
Signalling of fuse-link state 	MD-M3		
Disconnecting links 	ZPV10	ZPV14	ZPV22
Replacement tongs 	KV		

CYLINDRICAL FUSE-LINKS PV



- Small dimensions.
- High limiting and breaking capacity.
- Low power losses.
- The fuse-links do not contain harmful substances according to the RoHS Regulation (cadmium, lead and other).
- For use in fuse switch-disconnectors OPVP..
- Extended range of currents for all sizes and characteristics.
- Utilization category gG (black print) for protection of lines, cables and other equipment against overload and short-circuit.
- Utilization category aM (green print) for protection of motors, overcurrent relays, contactors and similar devices only against short-circuit.

Fuse-links PVA10, PV10

	Utilization category gG				Utilization category aM					
I_n [A]	Type	U_n [V]	Order code	Power losses [W]	Type	U_n [V]	Order code	Power losses [W]	Weight [kg]	Package [pcs]
0.25	-	-	-	-	**PVA10 0.25A aM**	500	OEZ:40758	0.08	0.008	20
0.5	-	-	-	-	**PVA10 0.5A aM**	500	OEZ:40759	0.07	0.008	20
1	-	-	-	-	**PVA10 1A aM**	500	OEZ:40760	0.10	0.008	20
2	**PVA10 2A gG**	500	OEZ:40748	0.50	**PVA10 2A aM**	500	OEZ:40761	0.14	0.008	20
4	**PVA10 4A gG**	500	OEZ:40749	0.85	**PVA10 4A aM**	500	OEZ:40762	0.28	0.008	20
6	**PVA10 6A gG**	500	OEZ:40750	0.95	**PVA10 6A aM**	500	OEZ:40763	0.38	0.008	20
8	**PVA10 8A gG**	500	OEZ:40751	1.15	**PVA10 8A aM**	500	OEZ:40764	0.60	0.008	20
10	**PVA10 10A gG**	500	OEZ:40752	1.30	**PVA10 10A aM**	500	OEZ:40765	0.62	0.008	20
12	**PVA10 12A gG**	500	OEZ:40753	1.40	**PVA10 12A aM**	500	OEZ:40766	0.82	0.008	20
16	**PV10 16A gG**	500	OEZ:06703	1.86	**PV10 16A aM**	500	OEZ:06704	0.67	0.011	20
20	**PV10 20A gG**	500	OEZ:06705	2.20	**PV10 20A aM**	400	OEZ:06706	0.87	0.011	20
25	**PV10 25A gG**	500	OEZ:06707	2.58	**PV10 25A aM**	400	OEZ:06708	1.05	0.011	20
32	**PV10 32A gG**	500	OEZ:06709	2.54	**PV10 32A aM**	400	OEZ:06710	1.50	0.011	20

Fuse-links PV14

	Utilization category gG				Utilization category aM					
I_n [A]	Type	U_n [V]	Order code	Power losses [W]	Type	U_n [V]	Order code	Power losses [W]	Weight [kg]	Package [pcs]
0.25	-	-	-	-	**PV14 0.25A aM**	690	OEZ:06711	0.11	0.020	10
0.5	-	-	-	-	**PV14 0.5A aM**	690	OEZ:06712	0.14	0.020	10
1	-	-	-	-	**PV14 1A aM**	690	OEZ:06713	0.23	0.020	10
2	**PV14 2A gG**	690	OEZ:06714	0.95	**PV14 2A aM**	690	OEZ:06715	1.20	0.020	10
4	**PV14 4A gG**	690	OEZ:06716	1.57	**PV14 4A aM**	690	OEZ:06717	0.35	0.020	10
6	**PV14 6A gG**	690	OEZ:06718	2.24	**PV14 6A aM**	690	OEZ:06719	0.58	0.020	10
8	**PV14 8A gG**	690	OEZ:06720	1.20	**PV14 8A aM**	690	OEZ:06721	0.55	0.020	10
10	**PV14 10A gG**	690	OEZ:06722	1.58	**PV14 10A aM**	690	OEZ:06723	0.57	0.020	10
12	**PV14 12A gG**	690	OEZ:06724	1.49	**PV14 12A aM**	690	OEZ:06725	0.62	0.020	10
16	**PV14 16A gG**	690	OEZ:06726	2.00	**PV14 16A aM**	500	OEZ:06727	0.97	0.020	10
20	**PV14 20A gG**	690	OEZ:06728	2.24	**PV14 20A aM**	500	OEZ:06729	1.10	0.020	10
25	**PV14 25A gG**	690	OEZ:06730	2.70	**PV14 25A aM**	500	OEZ:06731	1.32	0.020	10
32	**PV14 32A gG**	690	OEZ:06732	3.33	**PV14 32A aM**	500	OEZ:06733	2.05	0.020	10
40	**PV14 40A gG**	500	OEZ:06734	3.86	**PV14 40A aM**	500	OEZ:06735	2.32	0.020	10
50	**PV14 50A gG**	500	OEZ:06736	4.10	**PV14 50A aM**	400	OEZ:06737	3.25	0.020	10
63	**PV14 63A gG**	500	OEZ:06738	5.35	**PV14 63A aM**	400	OEZ:06739	3.65	0.020	10

Fuse-links PV22

	Utilization category gG				Utilization category aM					
I_n [A]	Type	U_n [V]	Order code	Power losses [W]	Type	U_n [V]	Order code	Power losses [W]	Weight [kg]	Package [pcs]
16	**PV22 16A gG**	690	OEZ:06740	2.23	**PV22 16A aM**	690	OEZ:06741	1.10	0.060	10
20	**PV22 20A gG**	690	OEZ:06742	2.24	**PV22 20A aM**	690	OEZ:06743	1.21	0.060	10
25	**PV22 25A gG**	690	OEZ:06744	2.90	**PV22 25A aM**	690	OEZ:06745	1.55	0.060	10
32	**PV22 32A gG**	690	OEZ:06746	4.10	**PV22 32A aM**	690	OEZ:06747	3.09	0.060	10
40	**PV22 40A gG**	690	OEZ:06748	4.52	**PV22 40A aM**	690	OEZ:06749	3.52	0.060	10
50	**PV22 50A gG**	690	OEZ:06750	6.45	**PV22 50A aM**	690	OEZ:06751	3.95	0.060	10
63	**PV22 63A gG**	500	OEZ:06752	5.82	**PV22 63A aM**	500	OEZ:06753	4.98	0.060	10
80	**PV22 80A gG**	500	OEZ:06754	6.82	**PV22 80A aM**	500	OEZ:06755	5.28	0.060	10
100	**PV22 100A gG**	500	OEZ:06756	7.81	**PV22 100A aM**	500	OEZ:06757	6.20	0.060	10
125	**PV22 125A gG**	500	OEZ:18271	10.50	**PV22 125A aM**	400	OEZ:06758	7.55	0.060	10

Accessories

Disconnecting links	**ZPV**	page E12
Electronic signalling of fuse state	**MD-M3**	page E30
Replacement tongs	**KV**	page E12

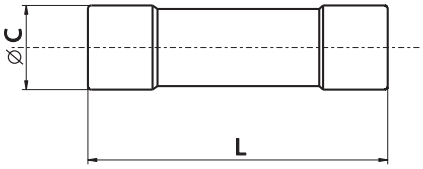
CYLINDRICAL FUSE-LINKS PV

Specifications

Type		PVA10	PV10	PV14	PV22
Standards		IEC 60269 EN 60269	IEC 60269 EN 60269	IEC 60269 EN 60269	IEC 60269 EN 60269
Approval marks					
Rated operating voltage	U_n	AC 400 V, 500 V DC 250 V	AC 400 V, 500 V DC 250 V	AC 400 V, 500 V, 690 V DC 250 V	AC 400 V, 500 V, 690 V DC 250 V
Rated operating current	I_n	0.25 ÷ 12 A	16 ÷ 32 A	0.25 ÷ 63 A	16 ÷ 125 A
Breaking capacity	AC	120 kA	120 kA [1]	120 kA [2]	120 kA
(RMS)	DC	10 kA	50 kA	50 kA	50 kA
Utilization category		gG, aM	gG, aM	gG, aM	gG, aM
Fuse-link size		10x38	10x38	14x51	22x58
Selectivity		1 : 1.6	1 : 1.6	1 : 1.6	1 : 1.6

[1] 100 kA / PV10 32 A gG
[2] 80 kA / PV14 63 A gG

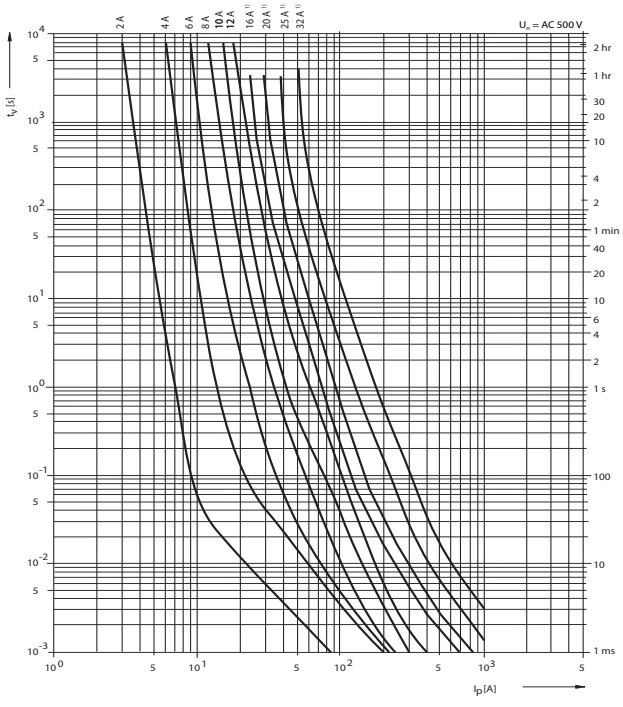
Dimensions



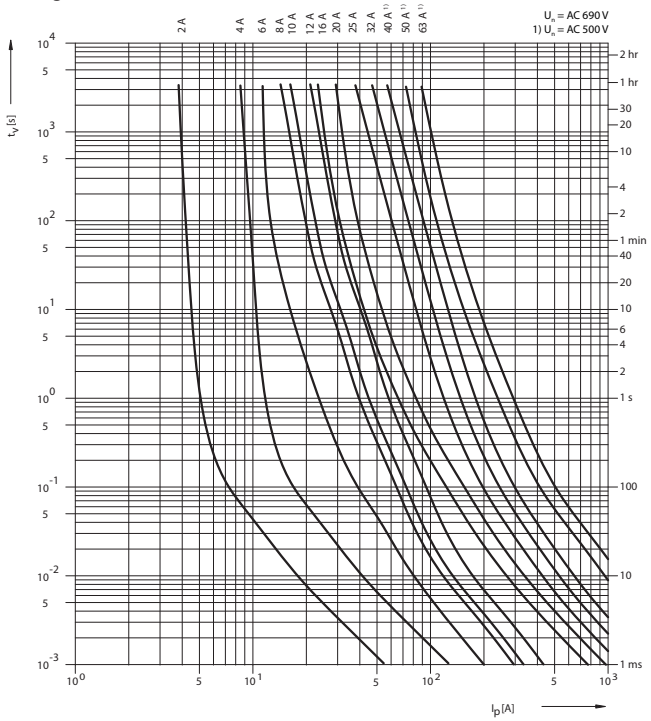
Type	∅C	L
PVA10, PV10	10.3 ± 0.1	38 ± 0.6
PV14	14.3 ± 0.1	$51\ ^{+0.6}_{-1}$
PV22	22.2 ± 1	$58\ ^{+0.1}_{-2}$

Characteristics

Prearcing time/current characteristic
PVA10, PV10 [1] gG



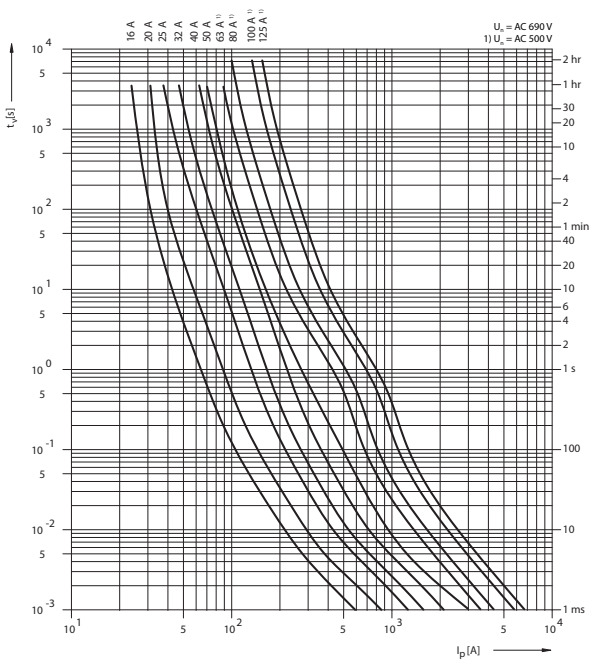
Prearcing time/current characteristic
PV14 gG



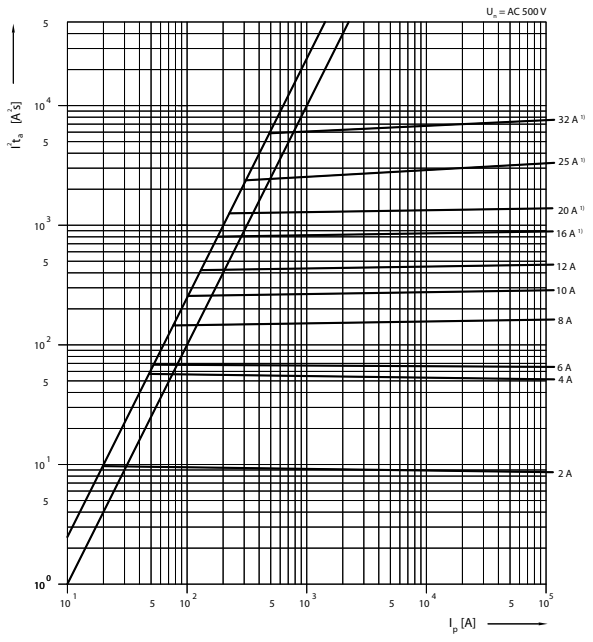
CYLINDRICAL FUSE-LINKS PV

Characteristics

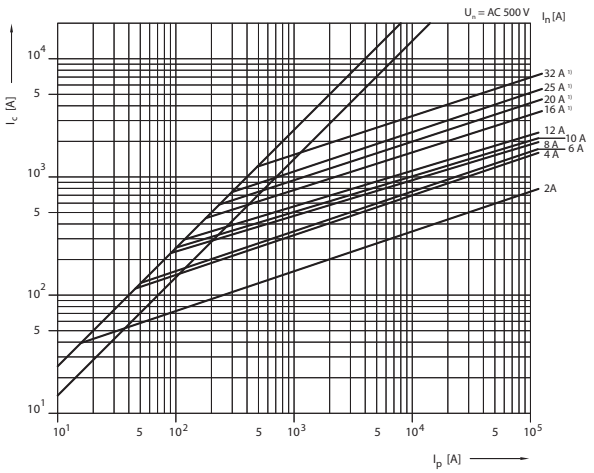
Prearcing time/current characteristic
PV22 gG



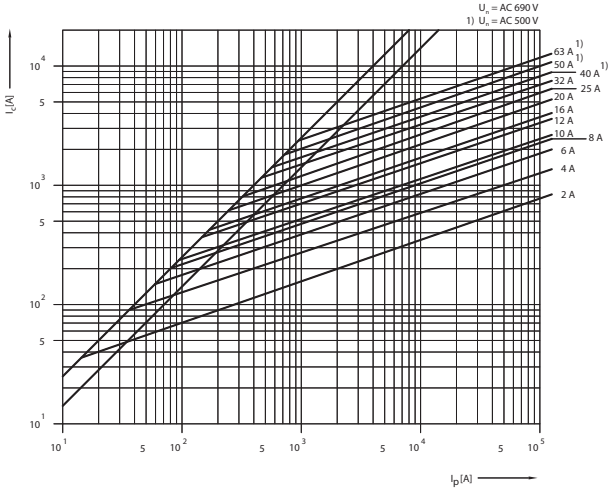
Utilization category I^2t_c
PVA10, PV10 [1] gG



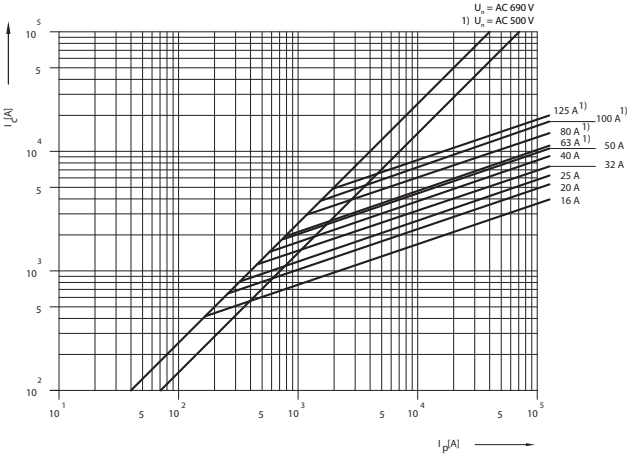
Cut-off characteristic
PVA10, PV10 [1] gG



Cut-off characteristic
PV14 gG



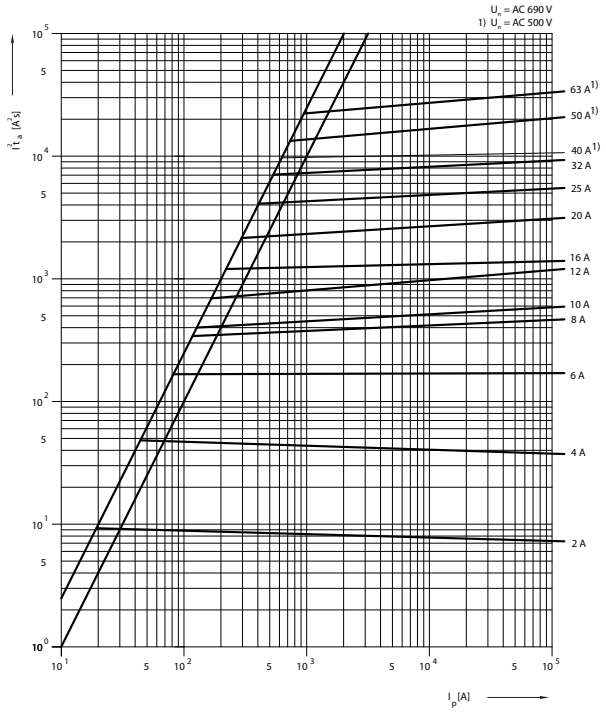
Cut-off characteristic
PV22 gG



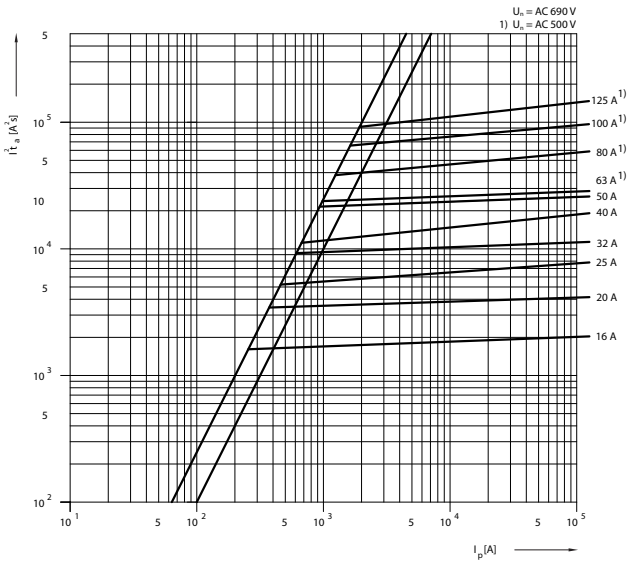
CYLINDRICAL FUSE-LINKS PV

Characteristics

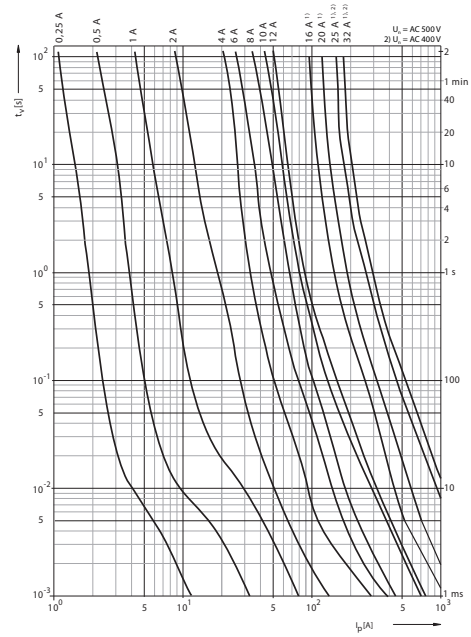
Utilization category I^2t_c
PV14 gG



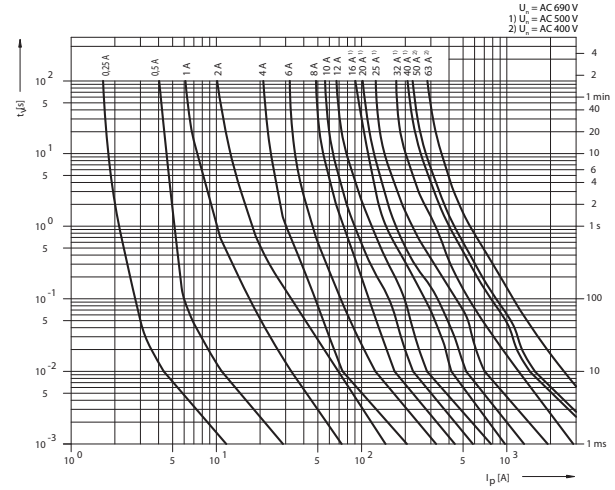
Utilization category I^2t_c
PV22 gG



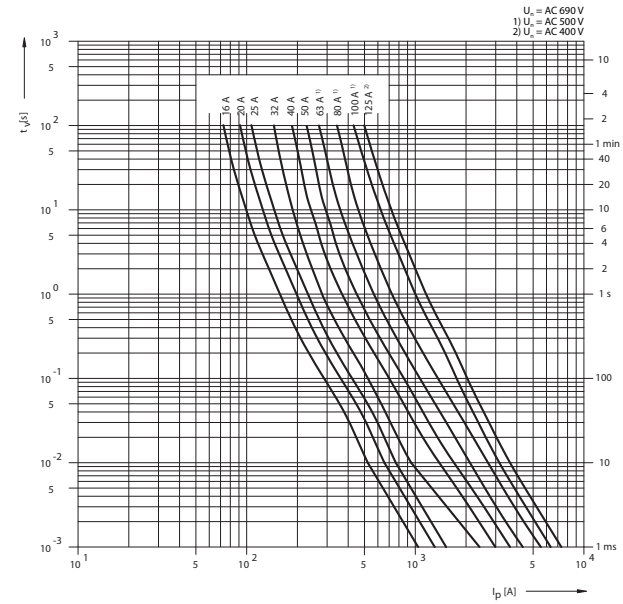
Prearcing time/current characteristic
PVA10, PV10 1) aM



Prearcing time/current characteristic
PV14 aM



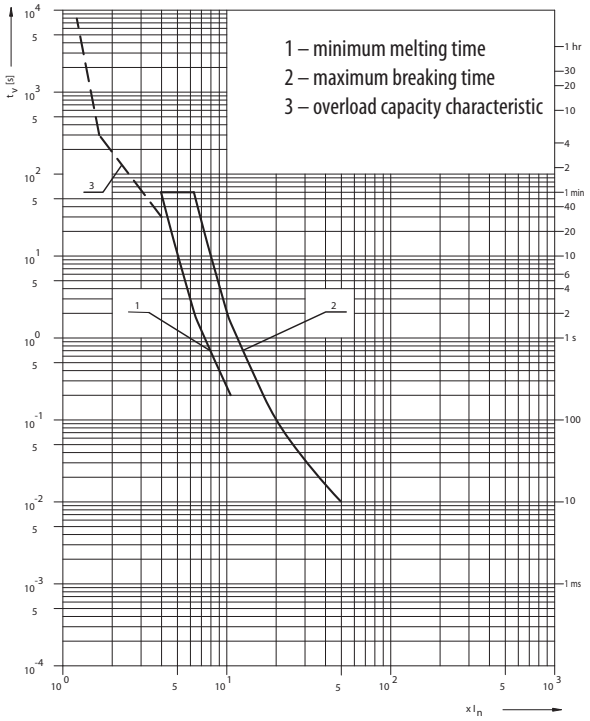
Prearcing time/current characteristic
PV22 aM



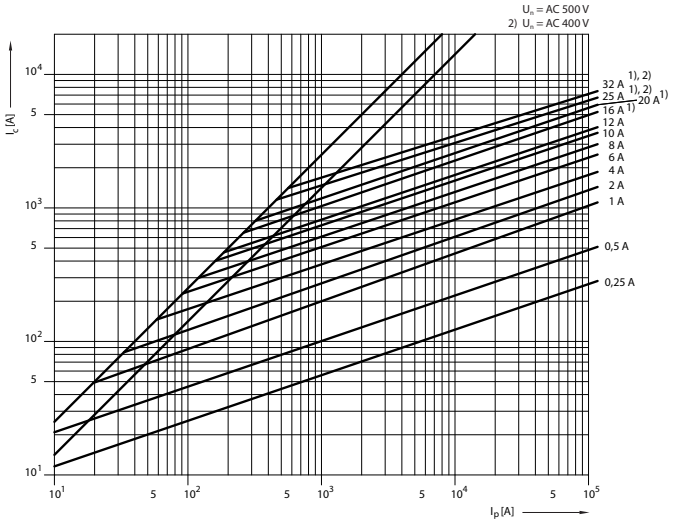
CYLINDRICAL FUSE-LINKS PV

Characteristics

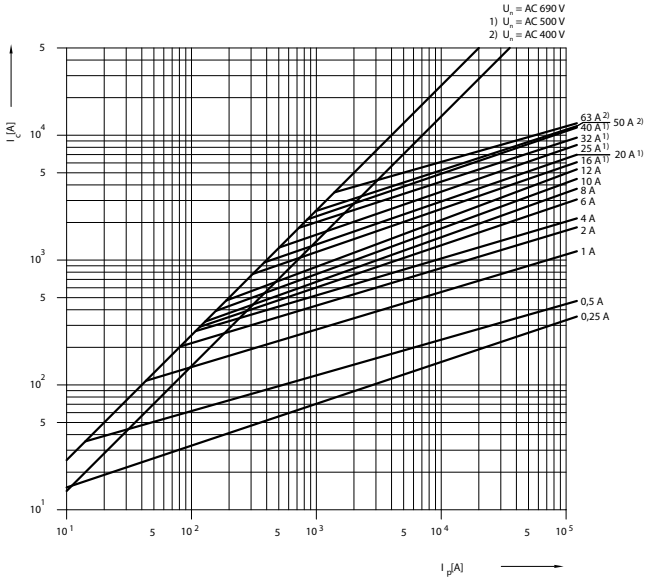
Time/current ranges
PVA10, PV10, 14, 22 aM



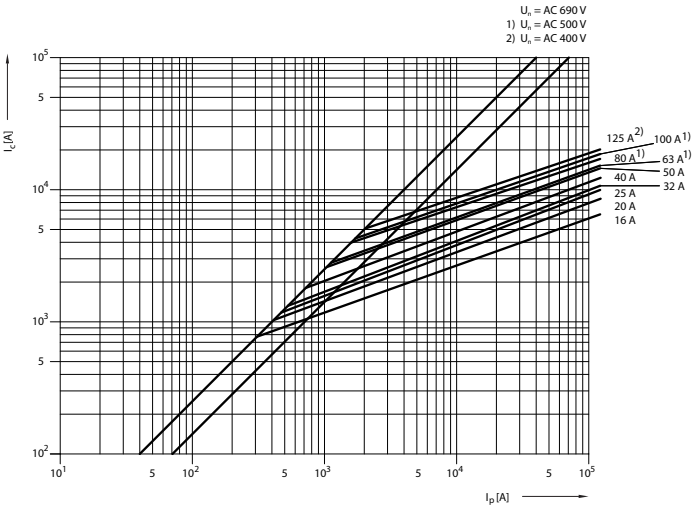
Cut-off characteristic
PVA10, PV10 [1] aM



Cut-off characteristic
PV14 aM



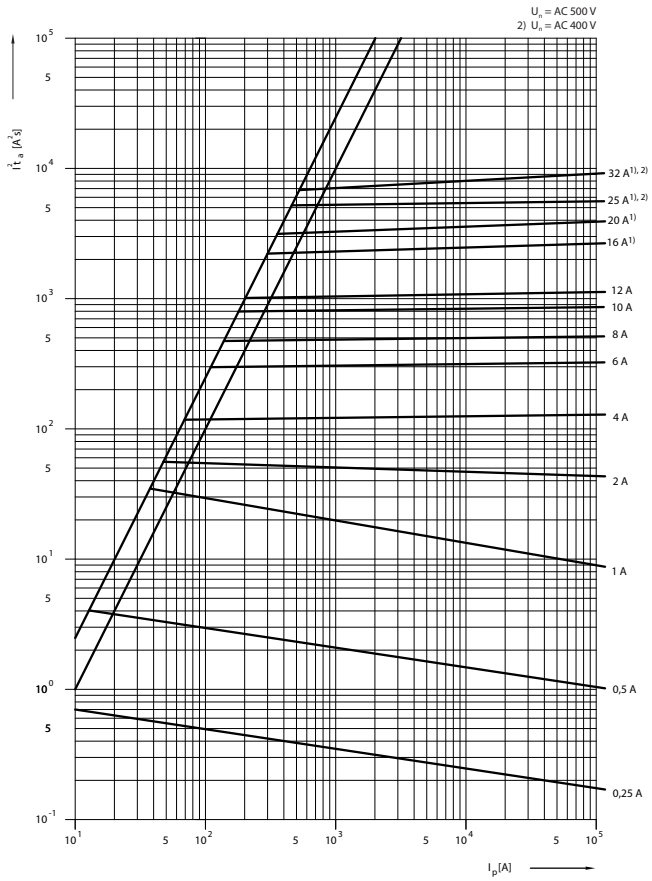
Cut-off characteristic
PV22 aM



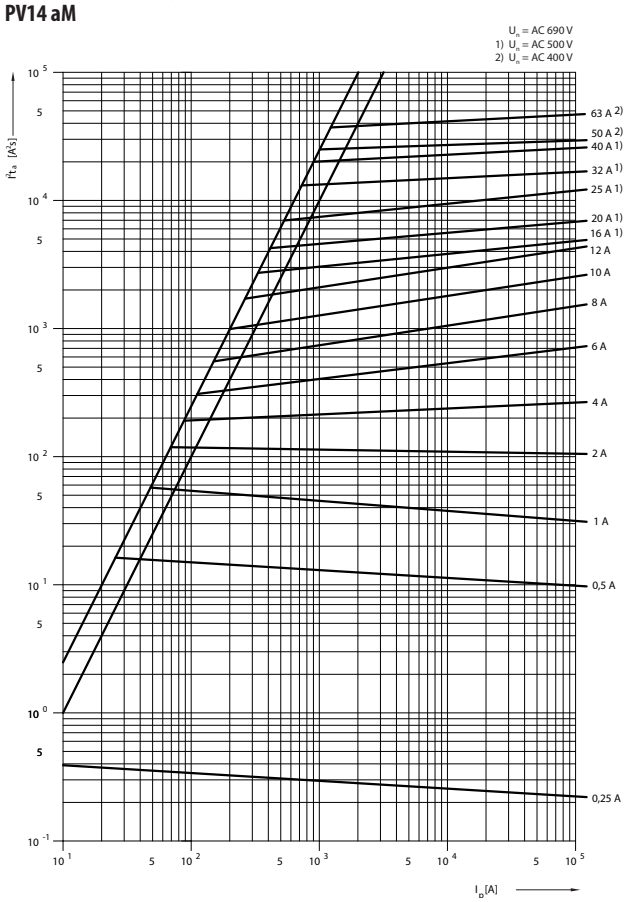
CYLINDRICAL FUSE-LINKS PV

Characteristics

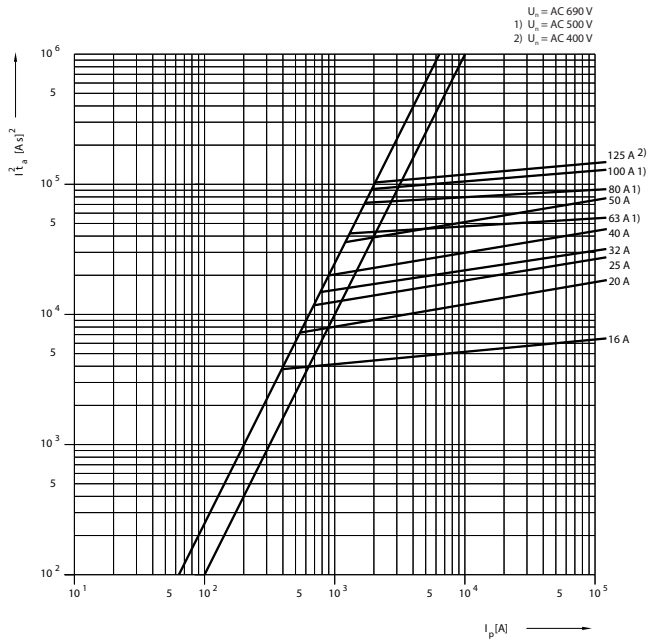
Utilization category I^2t_c
PVA10, PV10 [1] aM



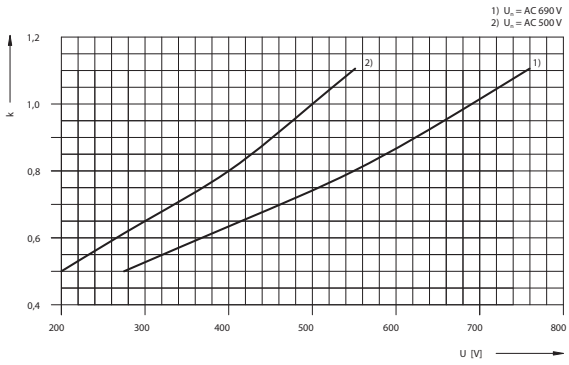
Utilization category I^2t_c
PV14 aM



Utilization category I^2t_c
PV22 aM



Correction factor „k" of I^2t_a dependence on operating voltage U
$(I^2t_c)_{f(U)} = k \times I^2t_c$
PV10, 14, 22 gG, aM



ACCESSORIES FOR PV

Disconnecting links

- They are used anywhere, where it is necessary either to create an easy-to-disconnect connection or for various reasons to replace a fuse-link (in measurement etc.)
- They are used in fuse switch-disconnectors for cylindrical fuse-links.

I_n [A]	Type	Order code	Description	Weight [kg]	Package [pcs]
32	**ZPV10**	OEZ:13197	for OPVP10	0.008	10
63	**ZPV14**	OEZ:13198	for OPVP14	0.017	10
125	**ZPV22**	OEZ:13199	for OPVP22	0.047	10
63	**ZPT22**	OEZ:08609	for OPVT22	0.098	10

Replacement tongs

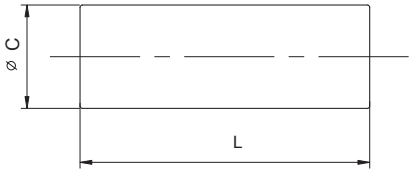
- Replacement tongs are used for handling in fuse-bases.

Type	Order code	Weight [kg]	Package [pcs]
KV	OEZ:06687	0.020	1

Specifications

Type	**ZP...**
Standards	EN 60269-1, -2; DIN 43 620
Approval marks	

Dimensions



Type	⌀ C	L
ZPV10	10.3	38
ZPV14	14.3	51
ZPV22	22.8	58
ZPT22	22.8	127