


SUMMARY OF MODELS OF FUSE-LINKS FOR SEMICONDUCTOR PROTECTION





Type		P50K06	P50N06	P50R06	P50T06	P50U06	P52U06
Rated current I_n		up to 50 A	up to 125 A	up to 160 A	up to 400 A	up to 630 A	up to 630 A
Rated voltage U_n	AC	690 V	690 V	500 V, 690 V	690 V	690 V	690 V
	DC	440 V	240 V, 440 V	440 V	440 V	440 V	440 V
Fuse-link size/connection spacing		- / 75 mm	- / 80 mm	000 / 80 mm	00 / 80 mm	1 / 80 mm	1 / 110 mm
Utilization category of the fuse-link		gR	gR, aR	gR, aR	gR, aR	aR	aR

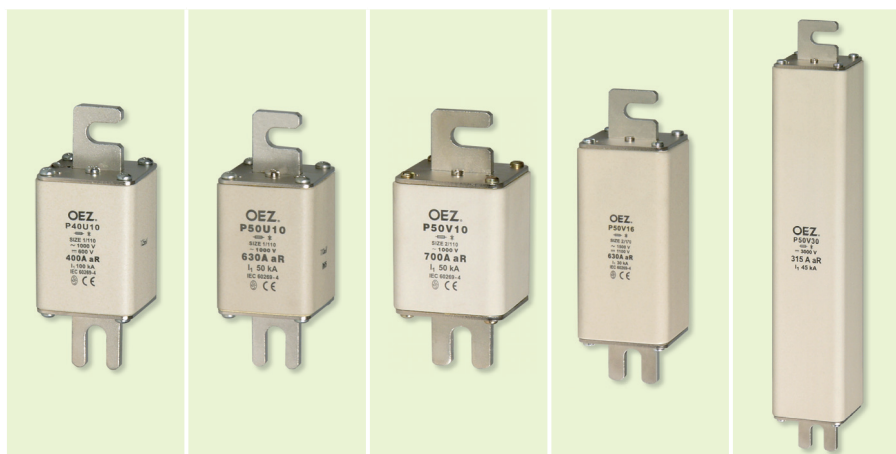
Use

Use					
Fuse holders		SP40K06	SP40T06	SP41T06	SP50U06

Accessories


Signalling of fuse-link state		-	VL50	VL50	VL50. VL41F + S-P50U06
Parallel connection of fuse-links		CS-P50TUV-2PS..			

SUMMARY OF MODELS OF FUSE-LINKS FOR SEMICONDUCTOR PROTECTION



Type		P40U10	P50U10	P50V10	P50V16	P50V30
Rated current I_n		up to 400 A	up to 630 A	700 A	up to 630 A	315 A
Rated voltage U_n	AC	1 000 V	1 000 V	1 000 V	1 500 V	-
	DC	600 V	600 V	600 V	1 000 V, 1 100 V	3 000 V
Fuse-link size/connection spacing		1 / 110 mm	1 / 110 mm	2 / 110 mm	2 / 170 mm	2 / 330 mm
Utilization category of the fuse-link		gR, aR	aR	aR	gR, aR	aR

Use

Use		P40U10	P50U10	P50V10	P50V16	P50V30
Fuse holders			SP50U10	SP50V10	SP50X16	-

Accessories

Signalling of fuse-link state			VL41F + S42 + 5865..	VL41F + S43 + 5865..		-
Parallel connection of fuse-links			CS-P50TUV-2PS..			-

FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

- They are intended for protection of semiconductor devices.
- Extremely low values of I^2t_c and cut-off current.
- Small dimensions and low power losses.
- The fuse-links do not contain harmful substances according to the RoHS Regulation (cadmium, lead and other).
- Use in fuse holders SP40.., SP41.. a SP50 see page G14.
- Utilization category gR for protection of semiconductor devices against overload and short-circuit.
- Utilization category aR for protection of semiconductor devices only against short-circuit.
- Fuse-link marked P40U10S, P50U10S, P50V10S, P50V16S is equipped with signalling.
- Possibility of parallel connection of the fuses, see page G18.



Fuse-links P50K06 up to AC 690 V / DC 440 V

I_n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I^2t_c [A ² s]	I^2t_c [A ² s]	Weight [kg]	Package [pcs]
10	P50K06 10A gR	OEZ:06593	4.30	33	1	17	0.060	3
16	P50K06 16A gR	OEZ:06594	4.40	31	3	52	0.060	3
20	P50K06 20A gR	OEZ:06595	6.50	35	5	90	0.060	3
25	P50K06 25A gR	OEZ:06596	8.50	43	8	160	0.060	3
32	P50K06 32A gR	OEZ:06597	8.90	49	21	400	0.060	3
40	P50K06 40A gR	OEZ:06598	11.00	52	33	600	0.060	3
50	P50K06 50A gR	OEZ:06599	13.80	53	65	1 250	0.060	3

Fuse-links P50N06 up to AC 690 V / DC 440 V

I_n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I^2t_c [A ² s]	I^2t_c [A ² s]	Weight [kg]	Package [pcs]
25	P50N06 25A gR	OEZ:06608	9.50	40	8	120	0.140	3
32	P50N06 32A gR	OEZ:06609	12.30	54	15	190	0.140	3
40	P50N06 40A gR	OEZ:06610	14.80	64	21	400	0.140	3
50	P50N06 50A gR	OEZ:06611	17.50	66	48	950	0.140	3
63	P50N06 63A gR	OEZ:06612	18.80	68	108	2 050	0.140	3
80	P50N06 80A aR	OEZ:06613	22.50	62	205	3 500	0.140	3
100	P50N06 100A aR	OEZ:06614	31.50	70	340	5 400	0.140	3
125	P50N06 125A aR ¹⁾	OEZ:06615	39.00	88	645	11 800	0.140	3

Fuse-links P50R06 up to AC 690 V / DC 440 V

I_n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I^2t_c [A ² s]	I^2t_c [A ² s]	Weight [kg]	Package [pcs]
16	P50R06 16A gR	OEZ:06618	6.70	35	9	73	0.140	3
20	P50R06 20A gR	OEZ:06619	7.80	33	15	90	0.140	3
25	P50R06 25A gR	OEZ:06620	7.50	33	22	250	0.140	3
32	P50R06 32A gR	OEZ:06621	11.00	42	38	350	0.140	3
40	P50R06 40A gR	OEZ:06622	12.00	42	50	480	0.140	3
50	P50R06 50A gR	OEZ:06623	14.50	45	70	1 050	0.140	3
63	P50R06 63A gR	OEZ:06624	23.00	74	100	1 960	0.140	3
80	P50R06 80A aR	OEZ:06625	20.00	52	450	2 200	0.140	3
100	P50R06 100A aR	OEZ:06626	26.00	56	820	3 650	0.140	3
125	P50R06 125A aR	OEZ:06627	30.00	56	1 700	7 800	0.140	3
160	P50R06 160A aR ²⁾	OEZ:06628	37.20	72	3 300	14 000	0.140	3

Fuse-links P50T06 up to AC 690 V / DC 440 V

I_n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I^2t_c [A ² s]	I^2t_c [A ² s]	Weight [kg]	Package [pcs]
10	P50T06 10A gR	OEZ:06646	6.70	25	4	40	0.230	3
16	P50T06 16A gR	OEZ:06647	6.80	30	9	60	0.230	3
20	P50T06 20A gR	OEZ:06648	8.00	33	15	75	0.230	3
25	P50T06 25A gR	OEZ:06649	8.20	35	30	170	0.230	3
32	P50T06 32A gR	OEZ:06650	10.80	40	42	350	0.230	3
40	P50T06 40A gR	OEZ:06651	12.50	45	50	480	0.230	3
50	P50T06 50A gR	OEZ:06652	16.00	48	62	760	0.230	3
63	P50T06 63A gR	OEZ:06653	18.50	52	98	1 800	0.230	3
80	P50T06 80A gR	OEZ:06654	23.00	55	190	3 200	0.230	3
100	P50T06 100A gR	OEZ:06655	29.00	59	400	5 200	0.230	3
125	P50T06 125A aR	OEZ:06656	28.40	59	1 500	7 600	0.230	3
160	P50T06 160A aR	OEZ:06657	35.50	70	2 950	15 000	0.230	3
200	P50T06 200A aR	OEZ:06658	45.50	75	4 300	26 000	0.230	3
250	P50T06 250A aR	OEZ:06659	50.70	78	10 400	51 000	0.230	3
315	P50T06 315A aR	OEZ:06660	53.50	78	22 000	107 000	0.230	3
350	P50T06 350A aR	OEZ:06661	58.80	79	28 000	135 000	0.230	3
400	P50T06 400A aR	OEZ:06662	74.50	85	36 000	170 000	0.230	3

¹⁾ U_n = DC 240 V

²⁾ U_n = AC 500 V

FUSE-LINKS WITH SCREW CONNECTIONS P40, P50



Fuse-links P50U06 up to AC 690 V / DC 440 V

I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t _t [A ² s]	I ² t _c [A ² s]	Weight [kg]	Package [pcs]
100	P50U06 100A aR	OEZ:11875	25.00	55	540	3 200	0.390	3
125	P50U06 125A aR	OEZ:11876	28.00	57	1 000	6 000	0.390	3
160	P50U06 160A aR	OEZ:11877	35.00	68	1 800	10 500	0.390	3
200	P50U06 200A aR	OEZ:11878	42.00	69	3 000	17 500	0.390	3
250	P50U06 250A aR	OEZ:10546	53.50	77	5 000	28 500	0.390	3
315	P50U06 315A aR	OEZ:10547	61.00	82	9 200	53 500	0.390	3
350	P50U06 350A aR	OEZ:10548	69.00	92	12 100	66 000	0.390	3
400	P50U06 400A aR	OEZ:10549	70.50	85	19 000	110 000	0.390	3
450	P50U06 450A aR	OEZ:11879	71.00	80	33 000	180 000	0.390	3
500	P50U06 500A aR	OEZ:10550	84.00	90	50 000	215 000	0.390	3
550	P50U06 550A aR	OEZ:11880	87.00	90	67 000	290 000	0.390	3
630	P50U06 630A aR	OEZ:10551	96.00	93	99 000	440 000	0.390	3

Fuse-links P52U06 up to AC 690 V / DC 440 V

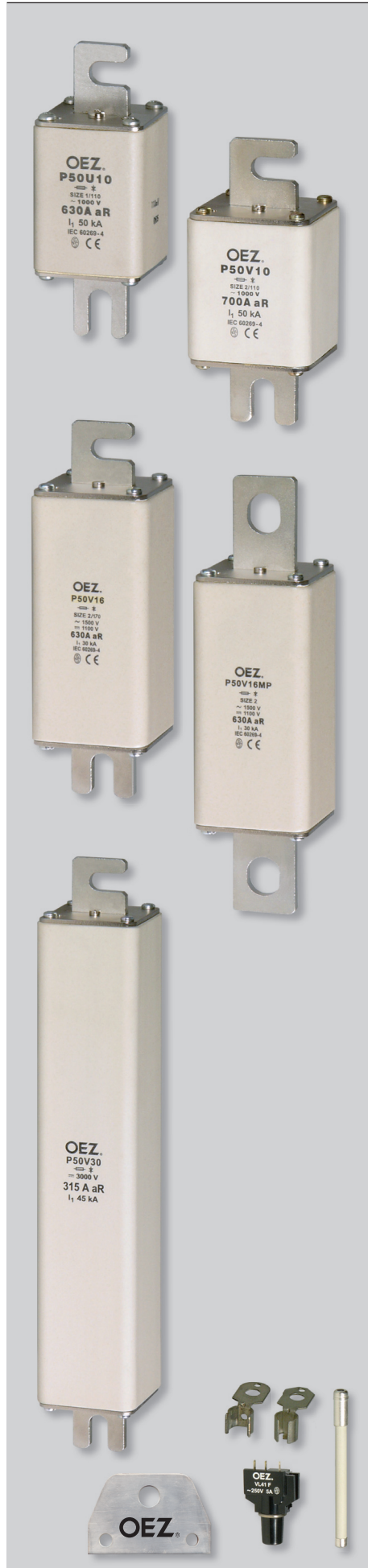
I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t _t [A ² s]	I ² t _c [A ² s]	Weight [kg]	Package [pcs]
100	P52U06 100A aR	OEZ:14836	25.00	55	540	3 200	0.430	3
125	P52U06 125A aR	OEZ:14837	28.00	57	1 000	6 000	0.430	3
160	P52U06 160A aR	OEZ:14838	35.00	68	1 800	10 500	0.430	3
200	P52U06 200A aR	OEZ:11886	42.00	69	3 000	17 500	0.430	3
250	P52U06 250A aR	OEZ:10552	53.50	77	5 000	28 500	0.430	3
315	P52U06 315A aR	OEZ:10553	61.00	82	9 200	53 500	0.430	3
350	P52U06 350A aR	OEZ:10554	69.00	92	12 100	66 000	0.430	3
400	P52U06 400A aR	OEZ:10555	70.50	85	19 000	110 000	0.430	3
450	P52U06 450A aR	OEZ:14839	71.00	80	33 000	180 000	0.430	3
500	P52U06 500A aR	OEZ:10556	84.00	90	50 000	215 000	0.430	3
550	P52U06 550A aR	OEZ:14840	87.00	90	67 000	290 000	0.430	3
630	P52U06 630A aR	OEZ:10557	96.00	93	99 000	440 000	0.430	3

Fuse-links P40U10 up to AC 1 000 V / DC 600 V

I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t _t [A ² s]	I ² t _c [A ² s]	Weight [kg]	Package [pcs]
32	P40U10 32A gR	OEZ:09013	9.00	32	45	4 500	0.550	3
40	P40U10 40A gR	OEZ:09014	13.00	35	75	6 000	0.550	3
50	P40U10 50A gR	OEZ:09015	18.00	45	110	8 000	0.550	3
63	P40U10 63A gR	OEZ:09016	25.00	62	170	9 000	0.550	3
80	P40U10 80A aR	OEZ:06548	30.00	63	390	12 000	0.550	3
100	P40U10 100A aR	OEZ:13501	39.00	72	650	15 000	0.550	3
125	P40U10 125A aR	OEZ:06551	36.00	63	1 300	25 000	0.550	3
160	P40U10 160A aR	OEZ:06553	50.00	83	2 200	33 000	0.550	3
200	P40U10 200A aR	OEZ:06555	58.50	85	4 400	55 000	0.550	3
250	P40U10 250A aR	OEZ:06557	68.00	91	8 500	105 000	0.550	3
315	P40U10 315A aR	OEZ:06559	76.50	94	13 600	210 000	0.550	3
350	P40U10 350A aR	OEZ:11245	82.00	96	17 500	250 000	0.550	3
400	P40U10 400A aR	OEZ:06561	99.50	105	24 200	280 000	0.550	3
32	P40U10S 32A gR	OEZ:11835	9.00	32	45	4 500	0.550	3
40	P40U10S 40A gR	OEZ:11834	13.00	35	75	6 000	0.550	3
50	P40U10S 50A gR	OEZ:11833	18.00	45	110	8 000	0.550	3
63	P40U10S 63A gR	OEZ:11832	25.00	62	170	9 000	0.550	3
80	P40U10S 80A aR	OEZ:06549	30.00	63	390	12 000	0.550	3
100	P40U10S 100A aR	OEZ:06550	39.00	72	650	15 000	0.550	3
125	P40U10S 125A aR	OEZ:06552	36.00	63	1 300	25 000	0.550	3
160	P40U10S 160A aR	OEZ:06554	50.00	83	2 200	33 000	0.550	3
200	P40U10S 200A aR	OEZ:06556	58.50	85	4 400	55 000	0.550	3
250	P40U10S 250A aR	OEZ:06558	68.00	91	8 500	105 000	0.550	3
315	P40U10S 315A aR	OEZ:06560	76.50	94	13 600	210 000	0.550	3
350	P40U10S 350A aR	OEZ:13749	82.00	96	17 500	250 000	0.550	3
400	P40U10S 400A aR	OEZ:06562	99.50	105	24 200	280 000	0.550	3

P40U10S.. design with signalling of fuse-link state

FUSE-LINKS WITH SCREW CONNECTIONS P40, P50



Fuse-links P50U10, up to AC 1 000 V / DC 600 V

I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t ₁ [A ² s]	I ² t ₂ [A ² s]	Weight [kg]	Package [pcs]
400	P50U10 400A aR	OEZ:08677	80.00	90	25 000	260 000	0.550	3
450	P50U10 450A aR	OEZ:08657	90.00	94	36 200	380 000	0.550	3
500	P50U10 500A aR	OEZ:08654	105.00	100	46 000	500 000	0.550	3
550	P50U10 550A aR	OEZ:08655	110.00	107	68 000	700 000	0.550	3
630	P50U10 630A aR	OEZ:08656	127.00	110	90 000	850 000	0.550	3
400	P50U10S 400A aR	OEZ:20519	80.00	90	25 000	260 000	0.550	3
450	P50U10S 450A aR	OEZ:08680	90.00	94	36 200	380 000	0.550	3
500	P50U10S 500A aR	OEZ:08681	105.00	100	46 000	500 000	0.550	3
550	P50U10S 550A aR	OEZ:17515	110.00	107	68 000	700 000	0.550	3
630	P50U10S 630A aR	OEZ:08571	127.00	110	90 000	850 000	0.550	3

P50U10S.. design with signalling of fuse-link state

Fuse-links P50V10, up to AC 1 000 V / DC 600 V

I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t ₁ [A ² s]	I ² t ₂ [A ² s]	Weight [kg]	Package [pcs]
700	P50V10 700A aR	OEZ:08682	125.00	112	140 000	1 100 000	0.730	3
700	P50V10S 700A aR	OEZ:08683	125.00	112	140 000	1 100 000	0.730	3

P50V10S.. design with signalling of fuse-link state

Fuse-links P50V16.. up to AC 1 500 V / DC 1 100 V

I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t ₁ [A ² s]	AC I ² t ₂ [A ² s]	DC I ² t ₂ [A ² s]	Weight [kg]	Package [pcs]
40	P50V16 40A gR	OEZ:10522	26.00	45	45	900	600	1.250	1
50	P50V16 50A gR	OEZ:15570	27.00	45	100	1 800	1 100	1.250	1
63	P50V16 63A gR	OEZ:15571	34.00	55	200	3 100	1 600	1.250	1
80	P50V16 80A aR	OEZ:15572	42.00	58	300	3 900	1 800	1.250	1
100	P50V16 100A aR	OEZ:14900	45.00	58	550	8 700	4 500	1.250	1
125	P50V16 125A aR	OEZ:10523	59.00	68	900	11 800	7 500	1.250	1
160	P50V16 160A aR	OEZ:10459	54.00	62	2 500	37 000	25 000	1.250	1
200	P50V16 200A aR	OEZ:10524	56.00	62	6 000	70 000	58 000	1.250	1
250	P50V16 250A aR	OEZ:10525	59.00	62	15 000	165 000	120 000	1.250	1
315	P50V16 315A aR	OEZ:11285	76.00	66	28 000	250 000	200 000	1.250	1
400	P50V16 400A aR ¹⁾	OEZ:11866	89.00	72	58 000	470 000	280 000	1.250	1
500	P50V16 500A aR ¹⁾	OEZ:11817	109.00	81	110 000	800 000	490 000	1.250	1
630	P50V16 630A aR ¹⁾	OEZ:08415	163.00	88	170 000	1 100 000	750 000	1.250	1
630	P50V16MP 630A aR ¹⁾	OEZ:10468	163.00	85	170 000	1 100 000	750 000	1.250	1
40	P50V16S 40A gR	OEZ:17734	26.00	45	45	900	600	1.250	1
63	P50V16S 63A gR	OEZ:34285	34.00	55	200	3 100	1 600	1.250	1
100	P50V16S 100A aR	OEZ:13744	45.00	58	550	8 700	4 500	1.250	1
125	P50V16S 125A aR	OEZ:10515	59.00	68	900	11 800	7 500	1.250	1
160	P50V16S 160A aR	OEZ:10460	54.00	62	2 500	37 000	25 000	1.250	1
200	P50V16S 200A aR	OEZ:10514	56.00	62	6 000	70 000	58 000	1.250	1
250	P50V16S 250A aR	OEZ:10477	59.00	62	15 000	165 000	120 000	1.250	1
315	P50V16S 315A aR	OEZ:13625	76.00	66	28 000	250 000	200 000	1.250	1
400	P50V16S 400A aR ¹⁾	OEZ:14907	89.00	72	58 000	470 000	280 000	1.250	1
500	P50V16S 500A aR ¹⁾	OEZ:13700	109.00	81	110 000	800 000	490 000	1.250	1
630	P50V16S 630A aR ¹⁾	OEZ:13701	163.00	88	170 000	1 100 000	750 000	1.250	1

¹⁾ U_n = DC 1 000 V

P50V16S.. design with signalling of fuse-link state

Fuse-links P50V30.. up to DC 3 000 V

I _n [A]	Type	Order code	Power losses [W]	Temperature rise [K]	I ² t ₁ [A ² s]	I ² t ₂ [A ² s]	Weight [kg]	Package [pcs]
315	P50V30 315A aR	OEZ:11295	245.00	95	65 000	300 000	2.650	1

Accessories

Signalling of fuse-links state	VL.., S4.., 5865.., S-P50U06	page F30, E29
Terminals for parallel connection of fuse-links	CS-P50TUV-2PS..	page G18

FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

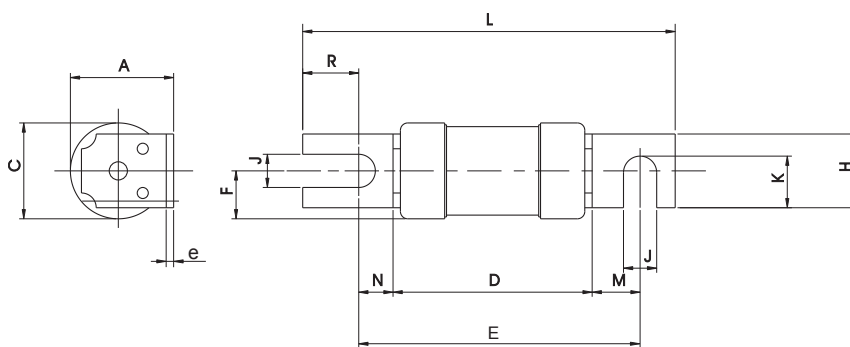
Specifications

Type		P50K06	P50N06	P50R06	P50T06	P50U06	P52U06
Standards		IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269
Approval marks							
Rated operating voltage	U _n	AC	690 V	690 V	500 V, 690 V	690 V	690 V
		DC	440 V	440 V	440 V	440 V	440 V
Rated operating current	I _n	6 ÷ 50 A	25 ÷ 125 A	6 ÷ 160 A	10 ÷ 400 A	100 ÷ 630 A	100 ÷ 630 A
Rated frequency	f _n	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Rated breaking capacity (RMS)	I _t	AC	120 kA	120 kA	120 kA	120 kA	120 kA
		DC	50 kA	50 kA	50 kA	50 kA	50 kA
Utilization category		gR	gR	gR, aR	gR, aR	aR	aR
Size / connection spacing		- / 75 mm	- / 80 mm	000 / 80 mm	00 / 80 mm	1 / 80 mm	1 / 110 mm
Signalling		-	-	VL50	VL50	S-P50U06 + VL41F	S-P50U06 + VL41F

Type		P40U10	P50U10	P50V10	P50V16	P50V16MP	P50V30	
Standards		IEC 60269-1, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -2, -4; EN 60269-1, -4 EN 60269	IEC 60269-1, -6; EN 60269-1, -6	IEC 60269-1, -4; EN 60269-1, -4	
Approval marks								
Rated operating voltage	U _n	AC	1 000 V	1 000 V	1 000 V	1 500 V	-	
		DC	600 V	600 V	600 V	1 000 V, 1 100 V	1 000 V	3 000 V
Rated operating current	I _n	32 ÷ 400 A	400 ÷ 630 A	700 A	40 ÷ 630 A	630 A	315 A	
Rated frequency	f _n	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	
Rated breaking capacity (RMS)	I _t	AC	100 kA	50 kA	50 kA	30 kA	30 kA	-
		DC	50 kA	-	-	47 kA	47 kA	45 kA
Utilization category		gR, aR	aR	aR	gR, aR	aR	aR	
Size / connection spacing		1 / 110 mm (1 / 130 mm na dotaz)	1 / 110 mm	2 / 110 mm	2 / 170 mm	1 / 190 mm	2 / 330 mm	
Signalling		VL41F + S42 + 5865..	VL41F + S42 + 5865..	VL41F + S42 + 5865..	VL41F + S43 + 5865..	VL41F + S43 + 5865..	-	

Connection cross-section according to IEC 60269-4 (current density 1 ÷ 1,6 A / mm min. 500 mm from each side of the fuse-link).

Dimensions

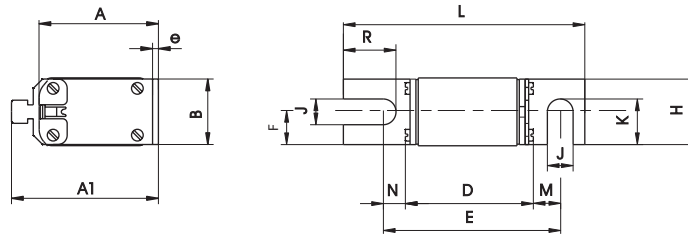


Type	A	D	E	F	H	J	K [mm]	L	M	N	R	e	∅C
P50K06	19	52.5	71.5	9	12	6	9	88	12	7.0	14.0	1.4	18
P50N06	29	53.5	75.8	13	19	9	14	103	13	9.3	19.7	2.0	26

FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

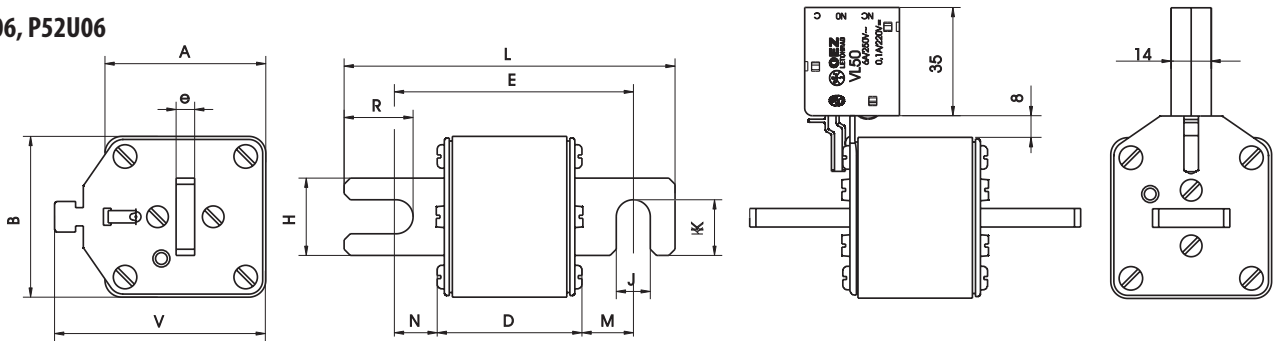
Dimensions

P50R06, P50T06



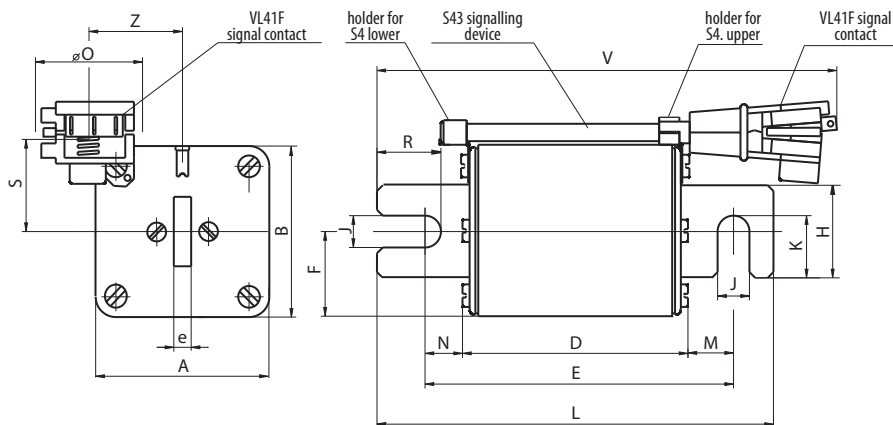
Type	A	A1	B	D	E	F	H	J	K	L	M	N	R	e
P50R06	46	58	21	52.9	74.5	10.5	20	9	14.5	101.5	12.5	9.5	22.5	2.5
P50T06	50	63	30	52.9	75.0	15.0	28	11	19.5	102.5	13.0	9.5	22.5	2.5

P50U06, P52U06



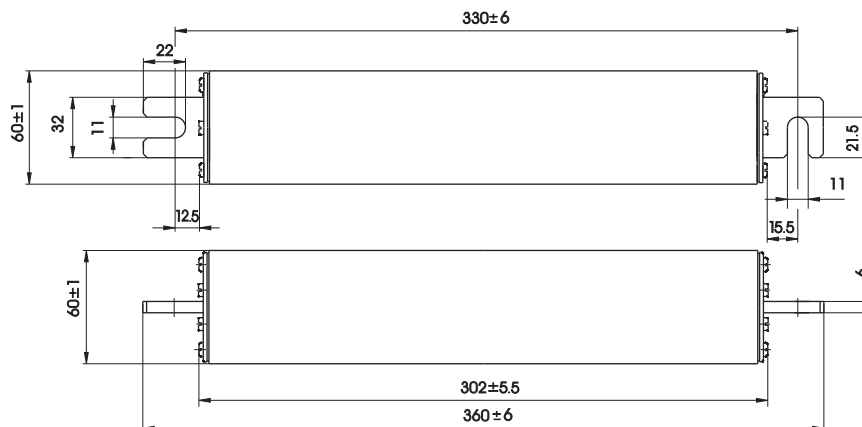
Type	A	B	D	E	e	H	J	K	L	M	N	R	V
P50U06	52	52	47	77	6	25	11	18	107	16	13	22.3	68.5
P52U06	52	52	47	107	6	25	11	18	137	31	28	22.3	68.5

P40U10, P50U10, P50V10



Type	A	B	D	E	F	H	J	K	L	M	N	R	e	V	Ø0	S	Z
P40U10	52	52	78.4	106.6	26	25	11	18.0	137	15.7	12.5	22.3	6	160	36.5	30	30
P50U10	52	52	78.4	106.6	26	25	11	18.0	137	15.7	12.5	22.3	6	160	36.5	30	30
P50V10	60	60	78.4	105.6	30	32	11	21.5	137	15.1	12.1	22.1	6	160	36.5	33	33
P50V16	60	60	137.0	165.5	30	32	11	21.5	196	15.8	12.8	22.1	6	220	36.5	33	33

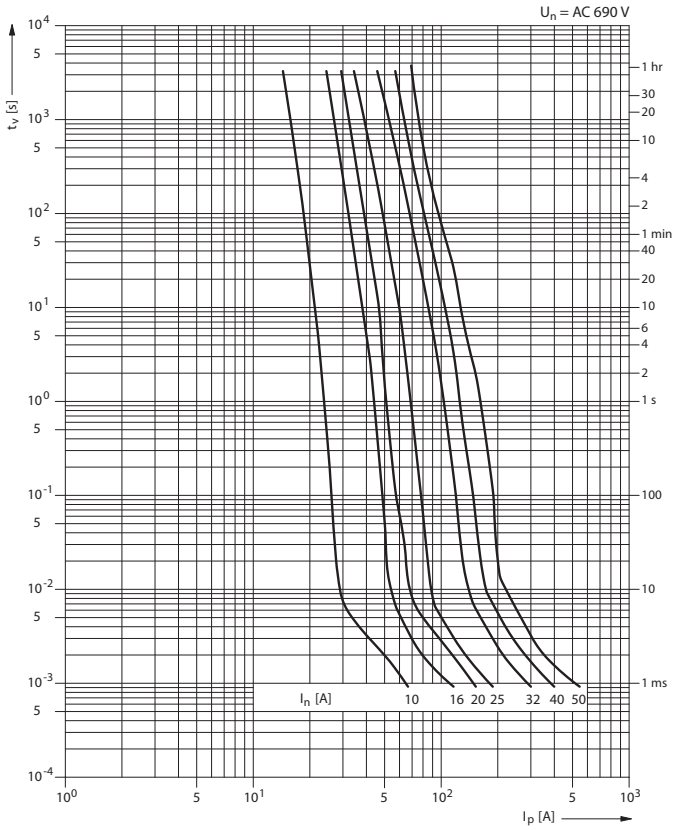
P50V30



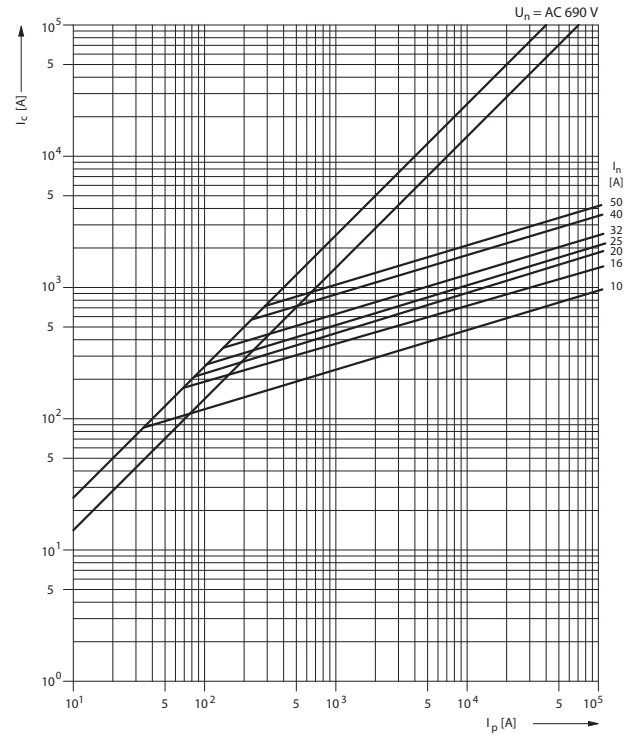
FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

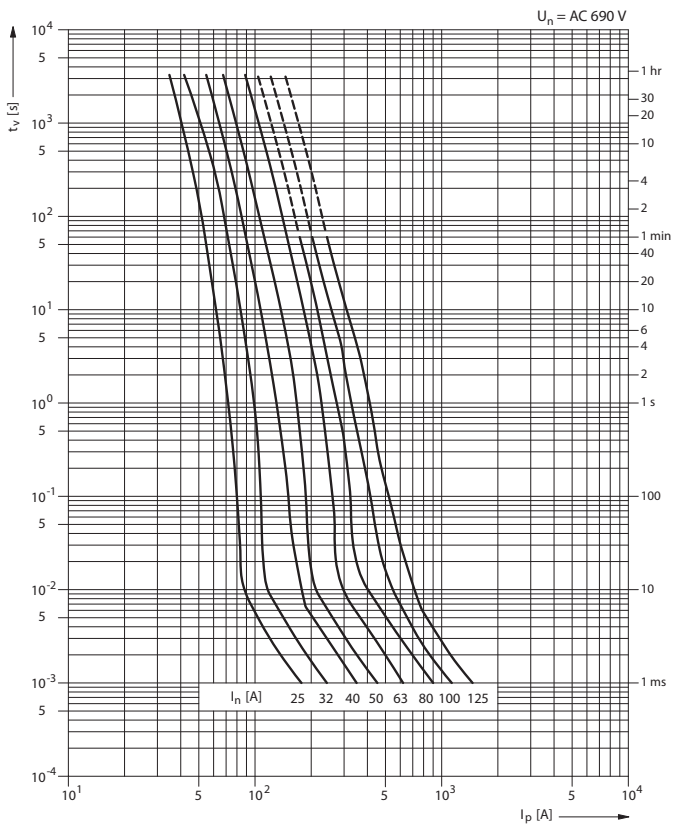
Prearing time/current characteristic
P50K06



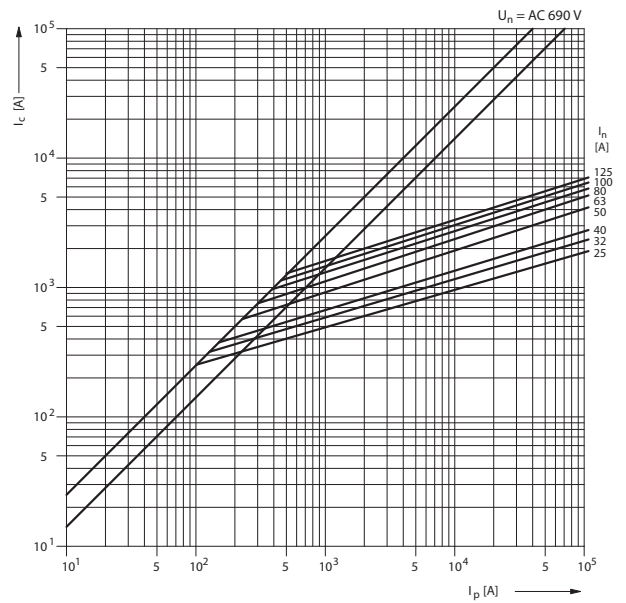
Cut-off characteristic
P50K06



Prearing time/current characteristic
P50N06 gR, aR



Cut-off characteristic
P50N06 gR, aR



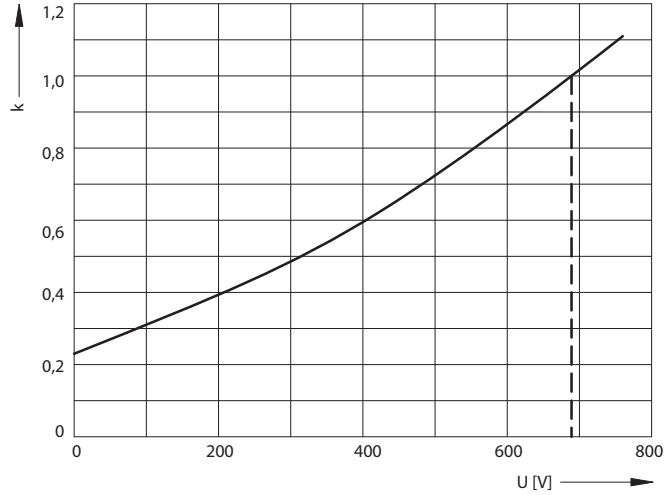
FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

Correction factor „k“ závislosti I^2t_c dependence on operating voltage

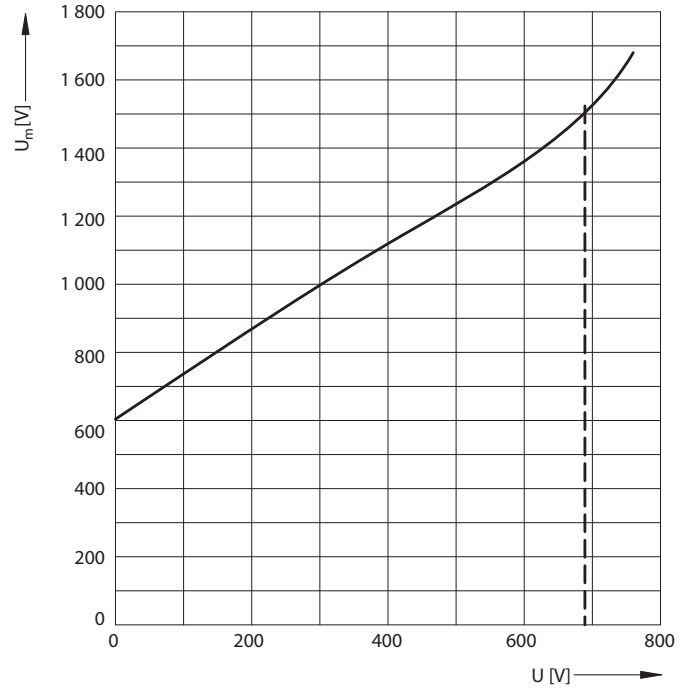
$$(I^2t_c)_{(U)} = k \times I^2t_c$$

P50K06, P50N06



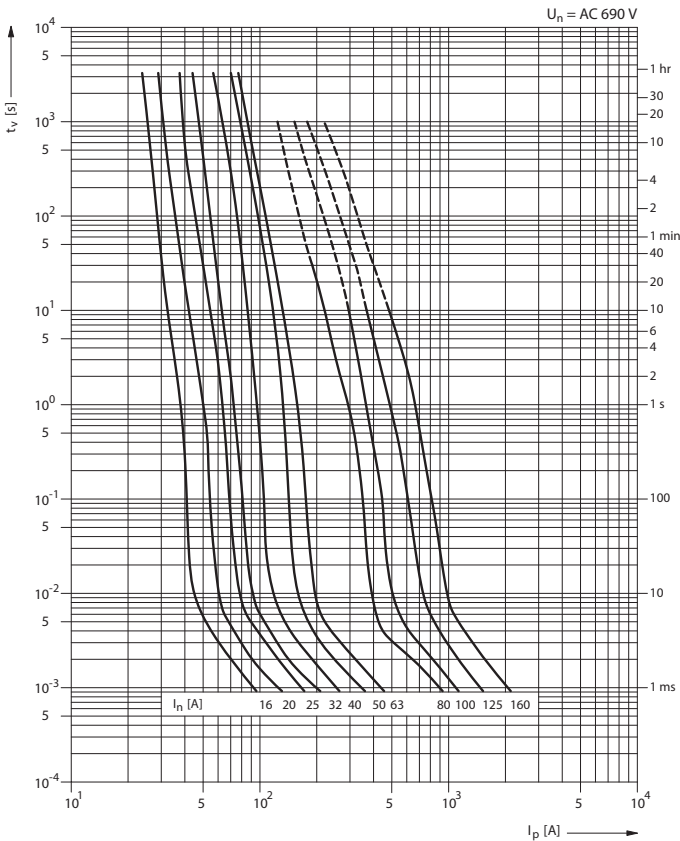
Fuse-link overvoltage dependence on various operating voltages

P50K06, P50N06



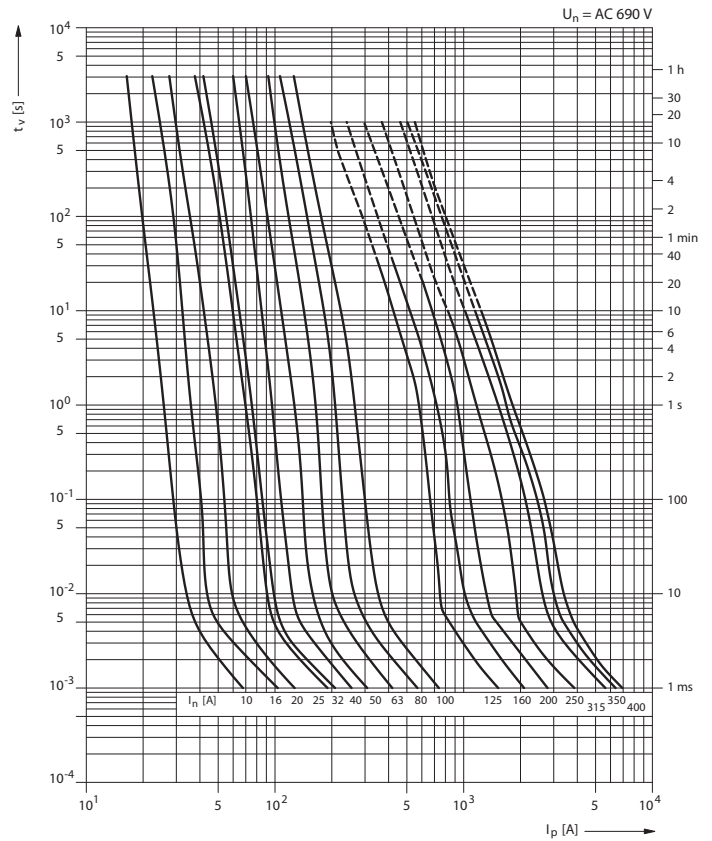
Prearing time/current characteristic

P50R06 gR, aR



Prearing time/current characteristic

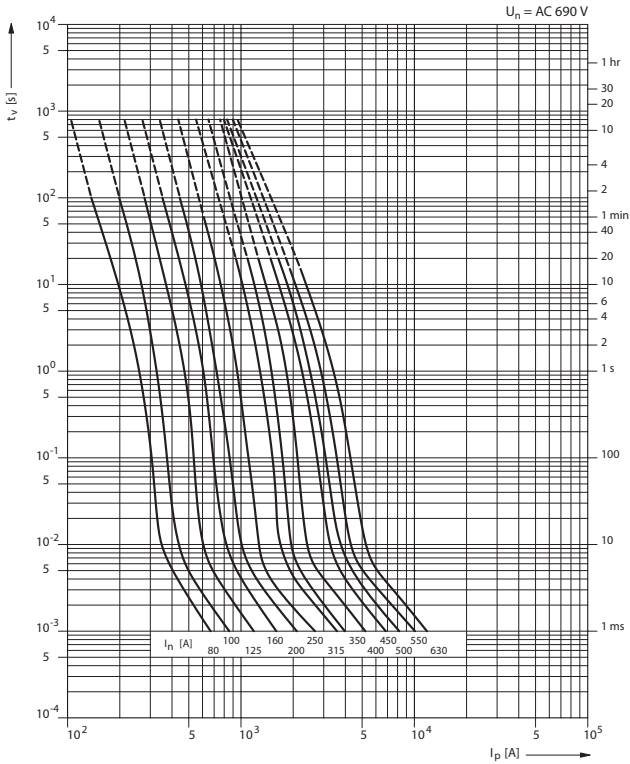
P50T06 gR



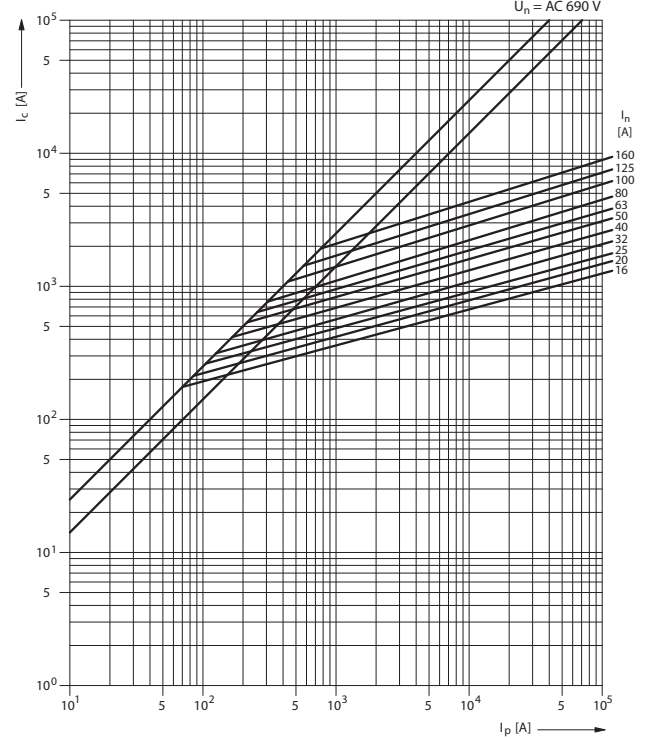
FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

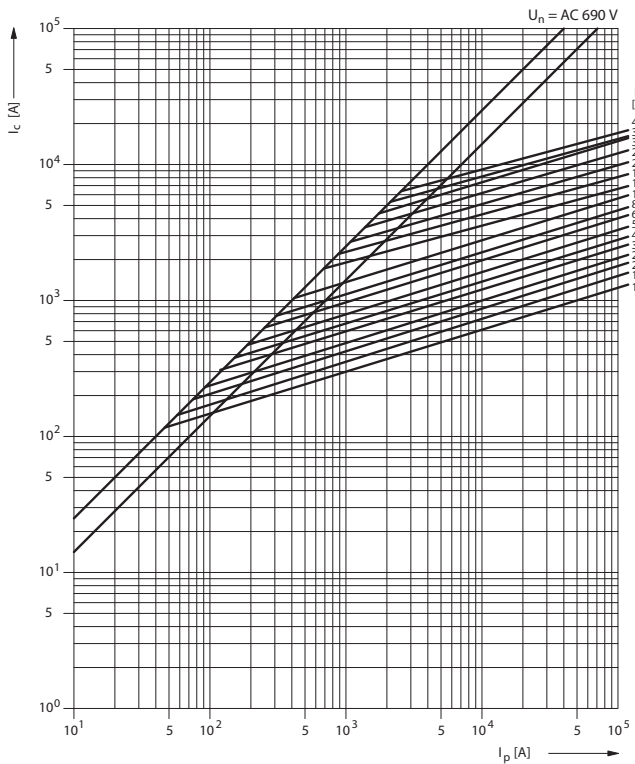
Prearing time/current characteristic
P50U06, P52U06 aR



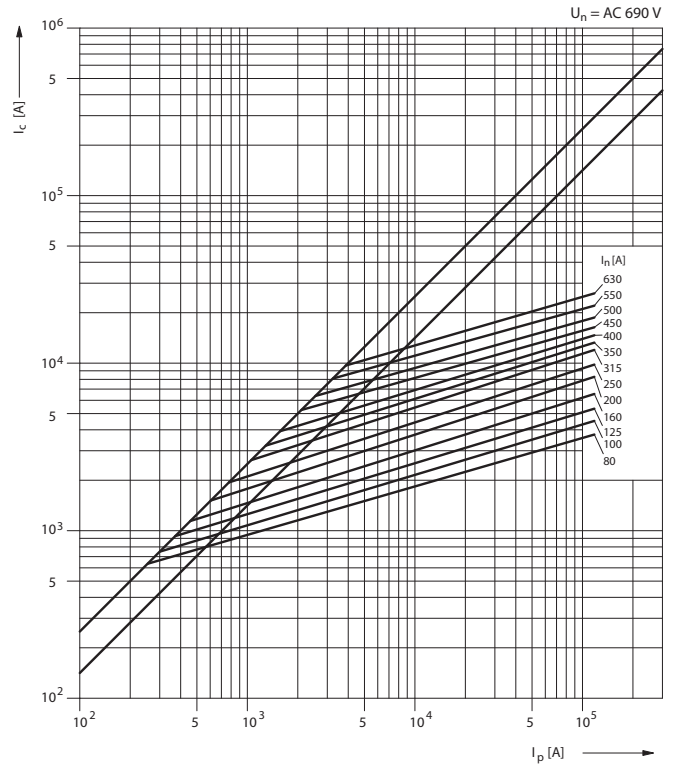
Cut-off characteristic
P50R06 gR, aR



Cut-off characteristic
P50T06 gR, aR



Cut-off characteristic
P50U06, P52U06 aR



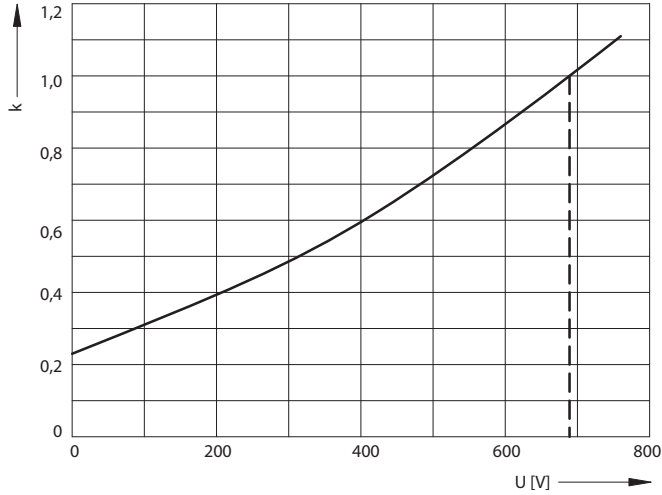
FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

Correction factor „k“ of I^2t_c dependence on operating voltage

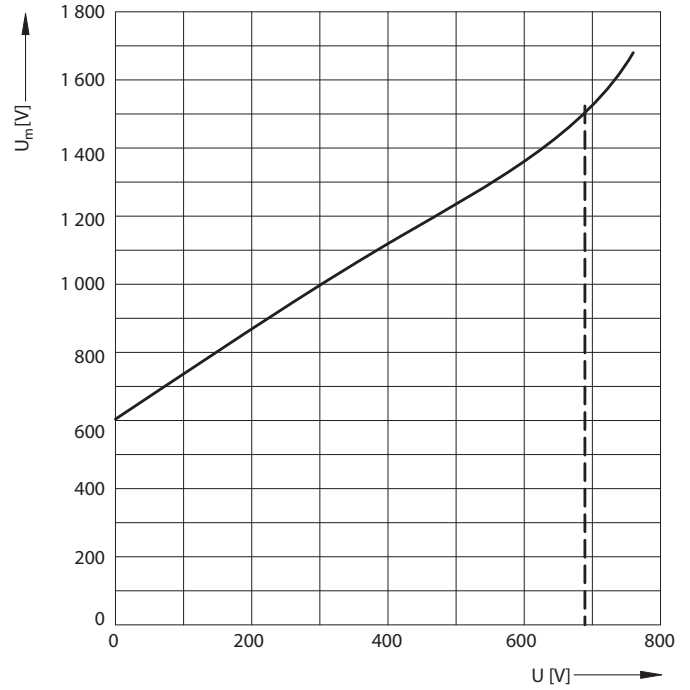
$$(I^2t_c)_{f(U)} = k \times I^2t_c$$

P50R06, P50T06



Fuse-link overvoltage dependence on various operating voltages

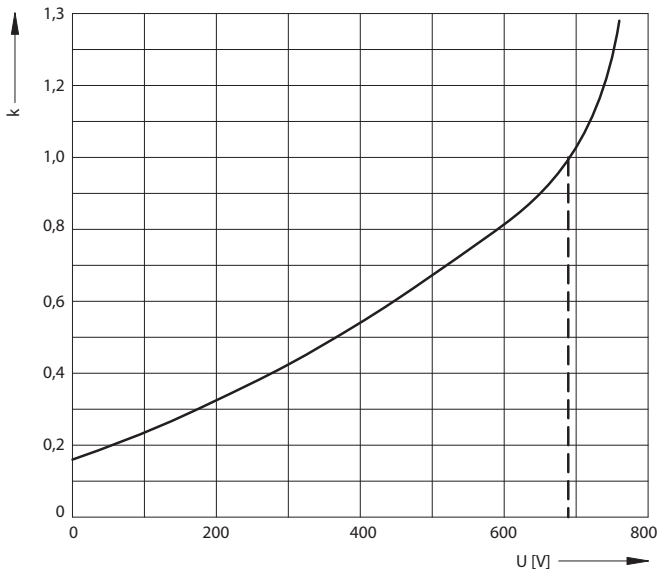
P50R06, P50T06



Correction factor „k“ of I^2t_c dependence on operating voltage

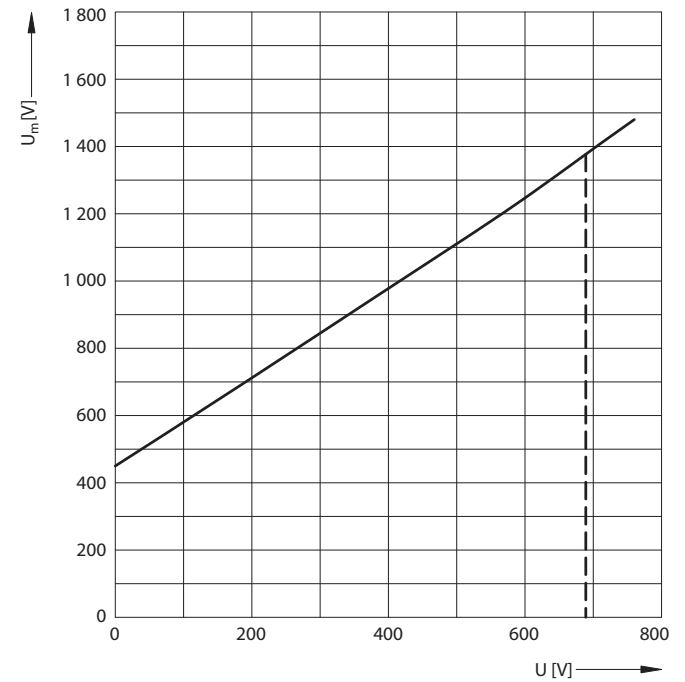
$$(I^2t_c)_{f(U)} = k \times I^2t_c$$

P50U06, P52U06



Fuse-link overvoltage dependence on various operating voltages

P50U06, P52U06

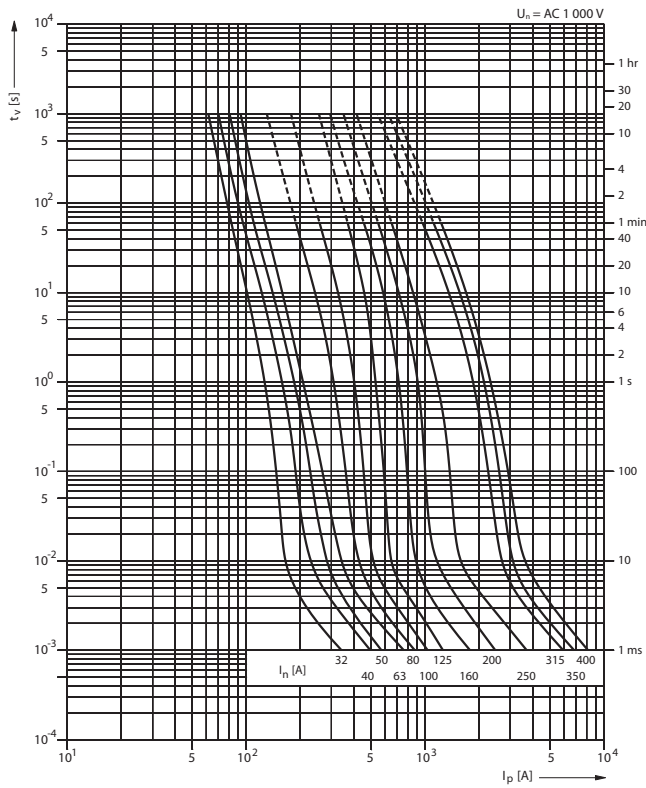


FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

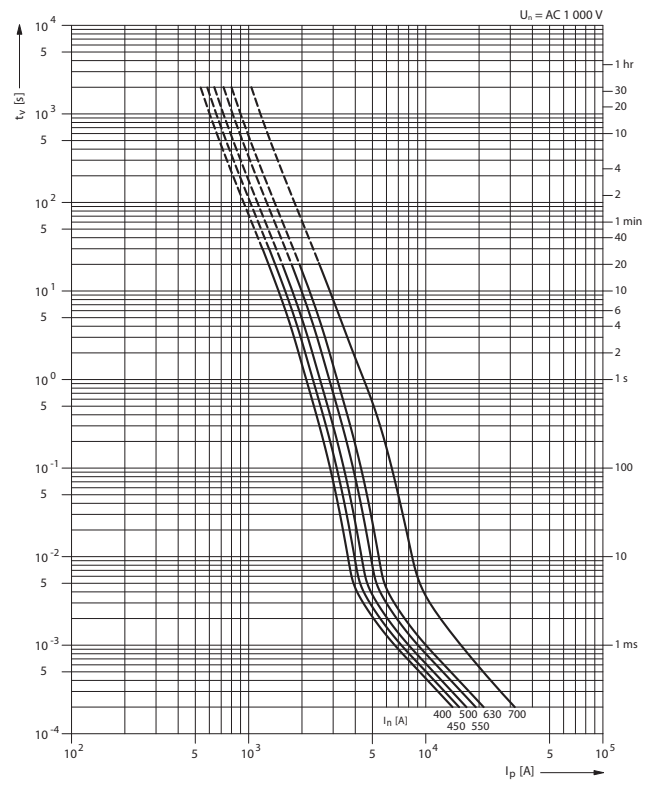
Prearing time/current characteristic

P40U10 gR, aR



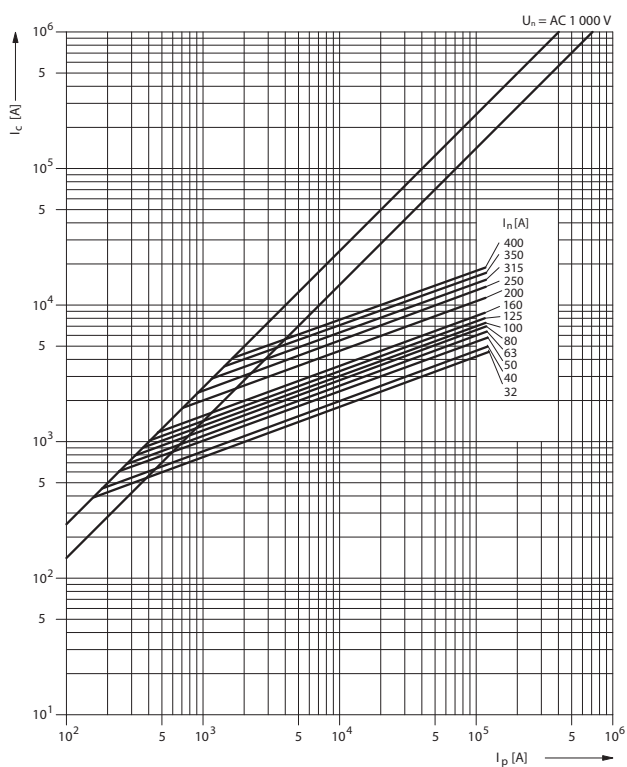
Prearing time/current characteristic

P50U10, P50V10 aR



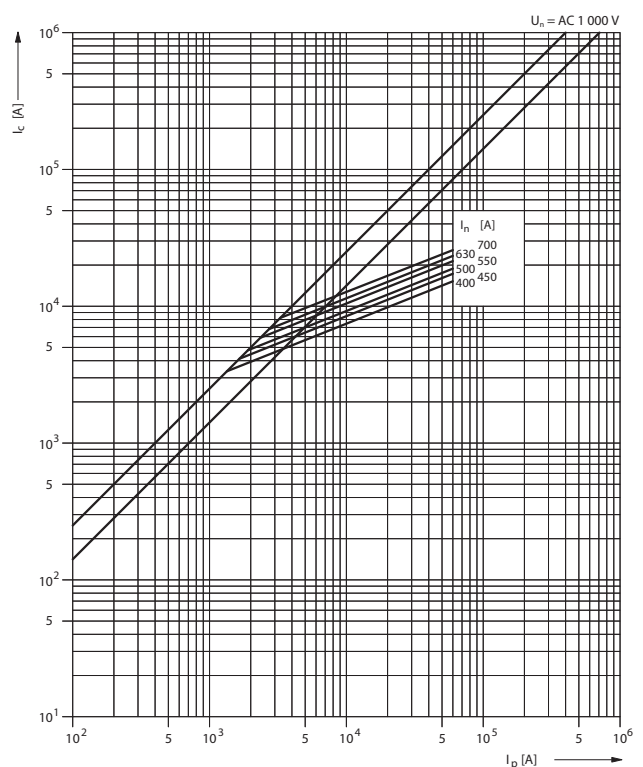
Cut-off characteristic

P40U10 gR, aR



Cut-off characteristic

P50U10, P50V10 aR



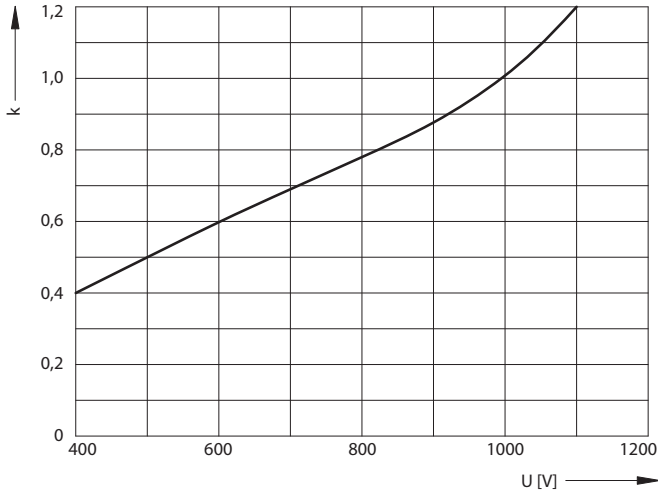
FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

Correction factor „k“ of I^2t_c dependence on operating voltage

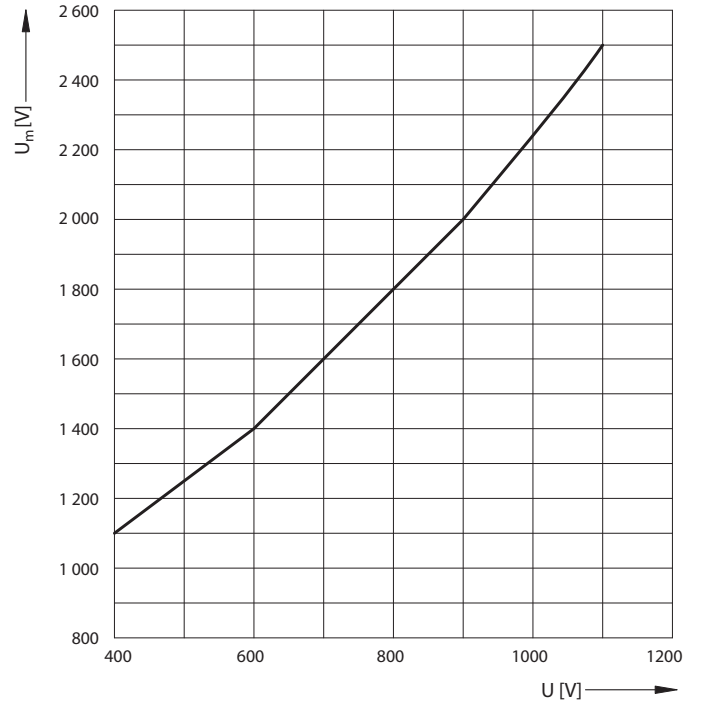
$$(I^2t_c)_{(U)} = k \times I^2t_c$$

P40U10, P50U10, P50V10



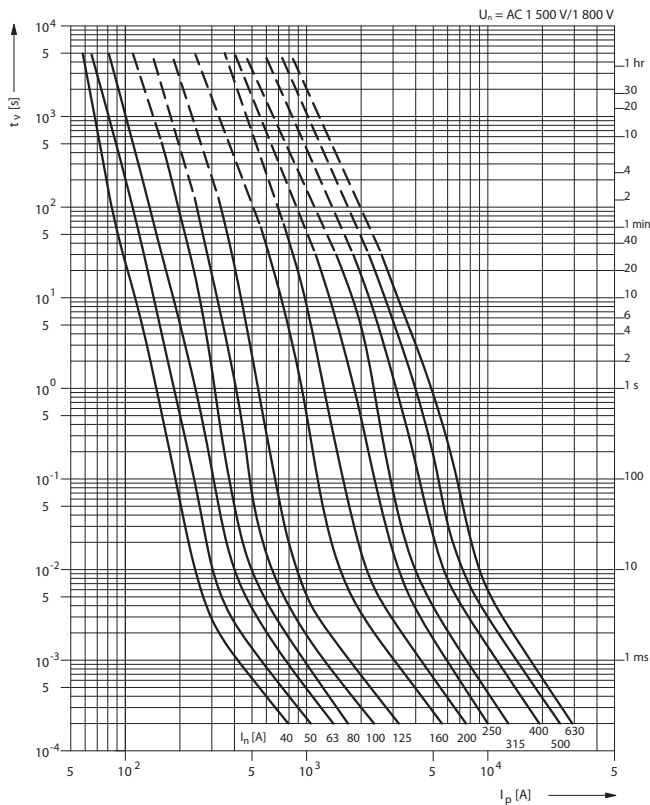
Fuse-link overvoltage dependence on various operating voltages

P40U10, P50U10, P50V10



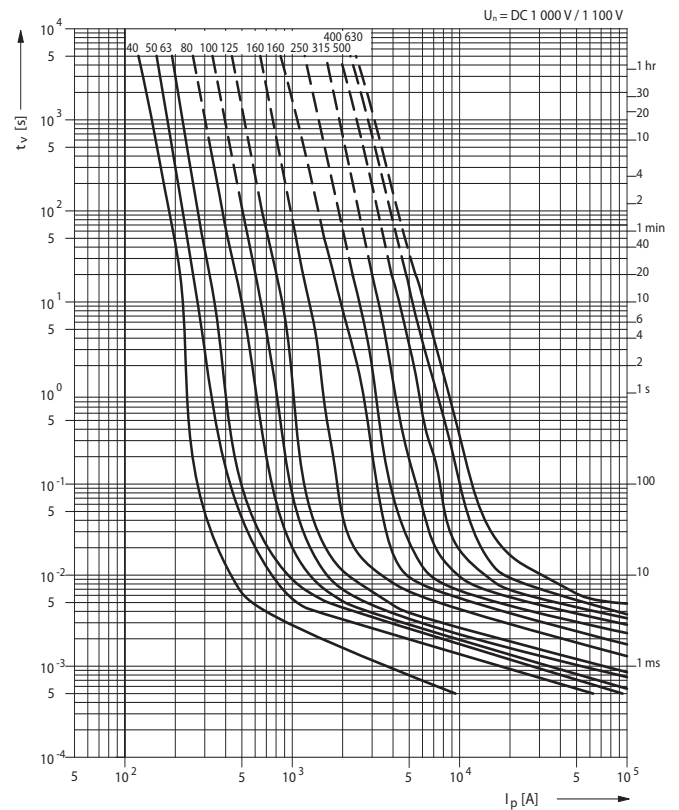
Prearcing time/current characteristic

P50V16 gR, aR



Prearcing time/current characteristic

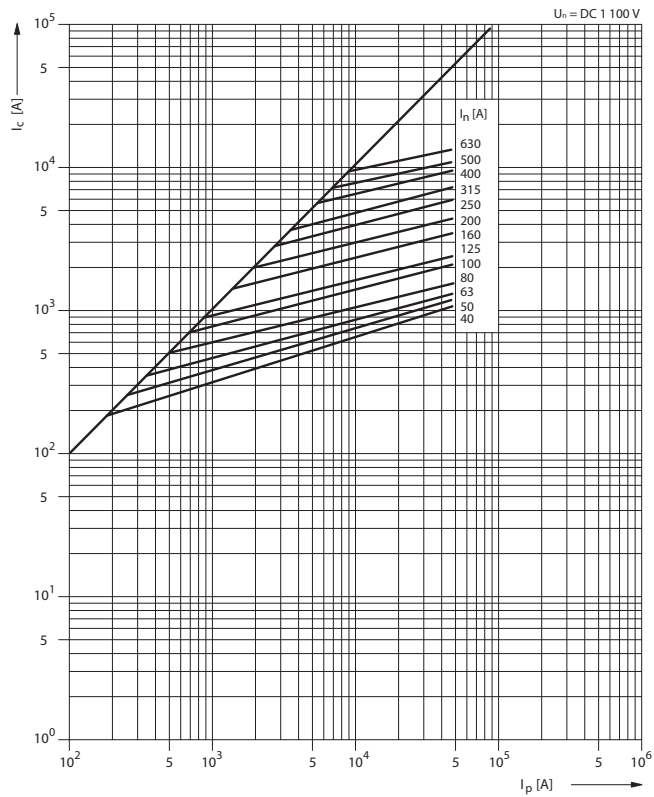
P50V16 gR, aR



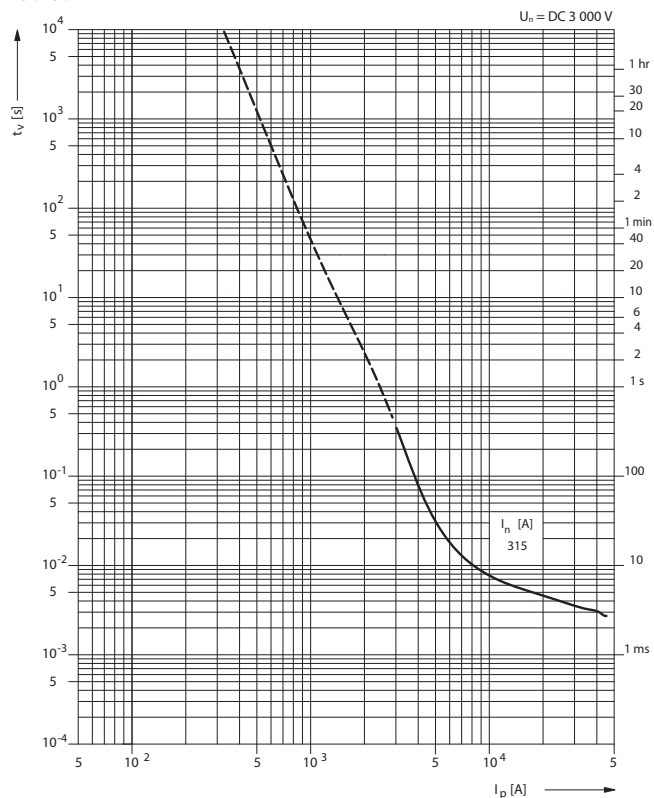
FUSE-LINKS WITH SCREW CONNECTIONS P40, P50

Characteristics

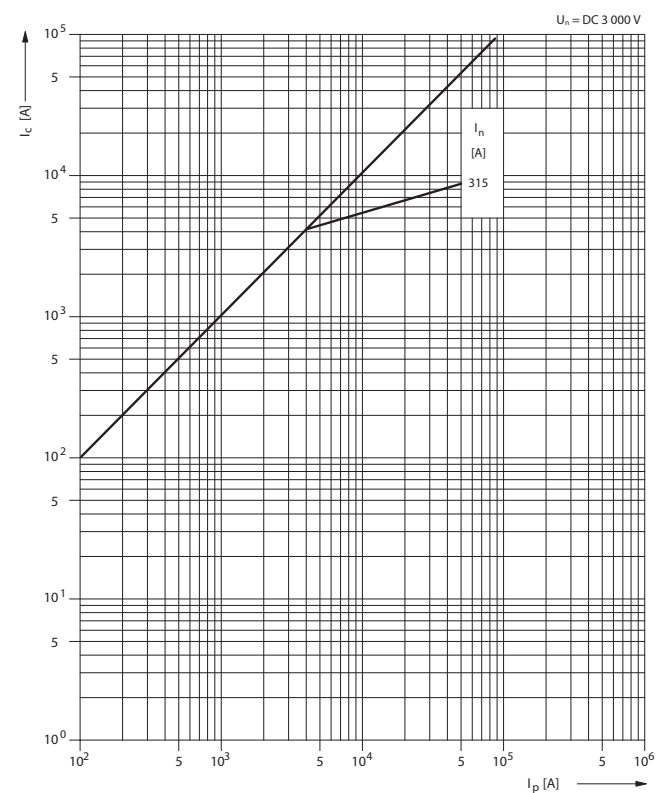
Cut-off characteristic
P50V16 gR, aR



Prearing time/current characteristic
P50V30



Cut-off characteristic
P50V30



ACCESSORIES FOR FUSE-LINKS FOR SEMICONDUCTOR PROTECTION



Remote signalling of fuse state

- Type „S“ is mainly used on fuse-links over AC 690 V, which are not equipped with visual state indicator or remote signalling
- State signalling is ensured by means of signalling device S41, S42 or S43, which is part of the fuse-links of type P40U10S, P50U10S, P50V10S or P50V16S.
- Type „T“ is mainly used on fuse-links up to AC 690 V, which are standardly equipped on the upper fuse holder by a mount for installation of the signal contact VL50.
- The signal contact VL50 is ordered separately.
- For fuse-links P50U06 and P52U06 it is possible to use both „T“ signalling and „S“ signalling by means of the state signalling set S-P50U06.
- Possibility of addition of fuse-link state signalling device on fuse-links of type P40U10, P50U10, P50V10 and P50V16 - signalling device S41, S42, S43 signalling device holders. Consultation with the manufacturer is necessary.
- Signal contact VL41F must be ordered separately. VL41F Connection is performed by means of sleeves on flat connector wide 2.8 mm.

Signal contact for remote signalling of state of fuse-links for semiconductor protection

Type	Order code	Weight [kg]	Package [pcs]
VL41F	OEZ:18620	0.020	1
VL50	OEZ:06528	0.015	1

For other technical parameters of VL50 see page E29

Signalling sets of P50U06 and P52U06 fuses-links state

Type	Order code	Rated voltage U_n [AC/V]	Length [mm]	Weight [kg]	Package [pcs]
S-P50U06	OEZ:11890	690	61.5	0.002	1

The set contains: signalling device S41 + lower and upper holder

Signalling device of state of fuse-links for semiconductor protection

Type	Order code	Rated voltage of fuse-links U_n [AC/V]	Length [mm]	Weight [kg]	Package [pcs]
S41	OEZ:06522	690	61.5	0.006	1
S42	OEZ:06578	1 000	93.0	0.008	1
S43	OEZ:10450	1 800	150.5	0.011	1

Holders for signalling device S41, S42 a S43

Type	Order code	Description	Weight [kg]	Package [pcs]
586506Z00	OEZ:06527	horní držák k S4.	0.011	1
586523Z00	OEZ:06526	dolní držák k S4.	0.011	1

Specifications

Type	VL41F
Standards	IEC 60269-1, -2, -4 EN 60269-1, -4 EN 60269
Approval marks	
Rated current	I_n for AC 250 V 5 A for DC 250 V 0.2 A
Rated insulation voltage	U_i 4 KV
Electrical endurance	operating cycles 2 000

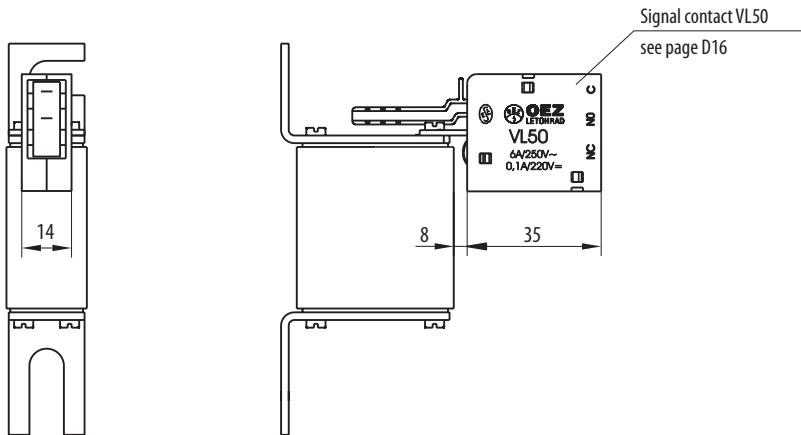
Types of state signalling of fuses for semiconductor protection

	P50K06	P50N06	P50R06	P51R06	P50T06	P50U06	P52U06	P51V06	P51V06	P40U10	P50U10	P50V10	P50V16
Signalling type	-	-	T	T	T	T, S ¹⁾	T, S ¹⁾	T	T	S	S	S	S
	-	-	VL50	VL50	VL50	VL50, S41	VL50, S41	VL50	VL50	S42	S42	S42	S43

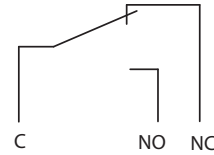
¹⁾ The set S-P50U06 can be bought as accessories

ACCESSORIES FOR FUSE-LINKS FOR SEMICONDUCTOR PROTECTION

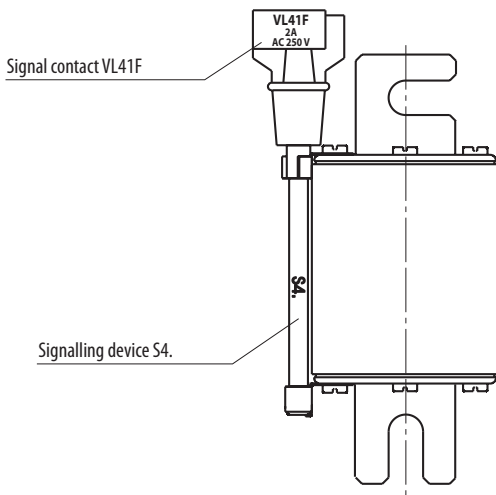
Fuse for semiconductor protection with signalling of type T



State of contacts with installed signal contact VL50 on the fuse-link:
fuse not blown – contacts C – NC closed.



Fuse for semiconductor protection with signalling of type S



State of contacts with installed signal contact VL41F on the signalling device:
fuse not blown – contacts P – 2 closed.

