










Main Switches in Plastic Enclosure Escutcheon plate 64□, IP66, c US Typ 1





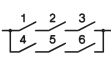
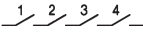
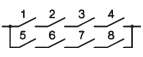


padlock device SV4

	DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
	16A	9A	2	1	LS16 PFLH4 A2	1	0,43
	25A	11A	2	1	LS25 PFLH4 A2	1	0,43
	32A	13A	2	1	LS32 PFLH4 A2	1	0,43
	40A	20A	2	1	LS40 PFH4 A2	1	1,59
	55A	25A	2	1	LS55 PFH4 A2	1	1,59
	29A	9A	2	1	LS16 PFLH4 A2+2	1	0,49
	45A	11A	2	1	LS25 PFLH4 A2+2	1	0,49
	50A	13A	2	1	LS32 PFLH4 A2+2	1	0,49
	64A	20A	2	1	LS40 PFH4 A2+2	1	
	80A	25A	2	1	LS55 PFH4 A2+2	1	
	16A	9A	2	2	LS16 PFLH4 A4	1	0,46
	25A	11A	2	2	LS25 PFLH4 A4	1	0,46
	32A	13A	2	2	LS32 PFLH4 A4	1	0,46
	40A	20A	2	2	LS40 PFH4 A4	1	
	55A	25A	2	2	LS55 PFH4 A4	1	
	16A	16A	4	1	LS16 PFLH4 A4B	1	0,47
	25A	25A	4	1	LS25 PFLH4 A4B	1	0,47
	32A	32A	4	1	LS32 PFLH4 A4B	1	0,47
	40A	40A	4	1	LS40 PFH4 A4B	1	
	55A	55A	4	1	LS55 PFH4 A4B	1	
	16A	16A	4	1	LS16 PFLH4 A4O	1	0,47
	25A	25A	4	1	LS25 PFLH4 A4O	1	0,47
	32A	32A	4	1	LS32 PFLH4 A4O	1	0,47
	40A	40A	4	1	LS40 PFH4 A4O	1	
	55A	55A	4	1	LS55 PFH4 A4O	1	
	16A	16A	4	1	LS16 PFLH4 A4U	1	0,47
	25A	25A	4	1	LS25 PFLH4 A4U	1	0,47
	32A	32A	4	1	LS32 PFLH4 A4U	1	0,47
	40A	40A	4	1	LS40 PFH4 A4U	1	
	55A	55A	4	1	LS55 PFH4 A4U	1	
	16A	9A	2	3	LS16 PFH4 A6	1	1,53
	25A	11A	2	3	LS25 PFH4 A6	1	1,53
	32A	13A	2	3	LS32 PFH4 A6	1	1,53
	16A	9A	2	4	LS16 PFH4 A8	1	1,58
	25A	11A	2	4	LS25 PFH4 A8	1	1,58
	32A	13A	2	4	LS32 PFH4 A8	1	1,58
	29A	29A	4	1	LS16 PFH4 A4+2	1	1,63
	45A	45A	4	1	LS25 PFH4 A4+2	1	1,63
	58A	58A	4	1	LS32 PFH4 A4+2	1	1,63

Technical Datas

Data according to IEC 60947-3, VDE 0660, GB14048.3 (CCC China)



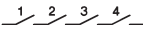
Main contacts		Type	LS16	LS25	LS32	LS40	LS55			
Rated thermal current I_{the}		A	16	25	32	40	55			
Rated insulation voltage U_i ¹⁾		V	1000	1000	1000	1500	1500			
Rated insulation voltage U_i ²⁾		V	1500	1500	1500	-	-			
Distance of contacts (per pole)		mm	8	8	8					
Rated operational current I_e										
DC21A and DC21B	1 pole 	300V	A	16	23	27	40	55		
		400V	A	12	14	16	30	40		
	A1 	500V	A	9	11	13	19	25		
		600V	A	6	8	10	15	20		
		700V	A	4,5	6	7,5	10	15		
L/R = 1ms DC21B	2 pole in series A2 	800V	A	3	4	5	8	10		
		900V	A	2,5	3	4	6	8		
		1000V	A	1,5	2	2,5	4	6		
		500V	A	16	25	32	40	55		
		600V	A	16	25	32	40	55		
2 poles in series + 2 poles parallel A2+2 	700V	A	16	23	27	35	55			
		800V	A	16	20	23	30	45		
		850V	A	-	-	25	-	-		
		900V	A	13	16	20	25	35		
		1000V	A	9	11	13	20	25		
		1200V	A	6	8	10	15	20		
		1500V	A	3	4	5	10	15		
		3 poles in series + 2 poles parallel A3+2 	700V	A	29	45	58	-	-	
				800V	A	29	38	45	-	-
				900V	A	29	38	45	-	-
1000V	A			29	38	45	-	-		
1200V	A			12	14	16	-	-		
1500V	A			9	11	13	-	-		
4 poles in series A4 	700V			A	16	25	32	40	55	
				800V	A	16	25	32	40	55
				900V	A	16	25	32	40	55
				1000V	A	16	25	32	40	55
		1200V	A	16	25	32	40	20		
		1500V	A	16	20	23	30	15		
		4 poles in series + 2 poles parallel A4+2 	700V	A	29	45	58	-	-	
				800V	A	29	45	58	-	-
				900V	A	29	45	58	-	-
				1000V	A	29	45	58	-	-
1200V	A			29	45	50	-	-		
1500V	A			16	20	23	-	-		
Rated operational current I_e										
AC21B	A2, A4			U_e max. 440V	A	16	25	32	40	55
	A2+2			U_e max. 440V	A	29	45	58	72	85

1) Suitable at overvoltage category I to III, pollution degree 3 (standard-industry): $U_{imp} = 8kV$.

2) Suitable at overvoltage category I to III, pollution degree 2 (min. IP55): $U_{imp} = 8kV$.

Technical Datas

Data according to IEC 60947-3, VDE 0660, GB14048.3 (CCC China)

Main contacts			Type	LS16	LS25	LS32	LS40	LS55
Rated operational current I_e DC22B L/R = 2,5ms	1 pole A1 	500V	A	1	1,25	1,5	x	2,5
		600V	A	0,5	0,75	1	x	2,0
		800V	A	0,3	0,4	0,5	x	1,5
		1000V	A	0,15	0,2	0,25	x	1,0
		1200V	A	-	-	-	x	x
	2 poles in series A2 	500V	A	7	8	9	x	x
		600V	A	5,5	6	6,5	x	x
		800V	A	2	2,5	3	x	x
		1000V	A	1	1,5	2	x	x
		1200V	A	-	-	-	x	x
	4 poles in series A4 	500V	A	16	25	32	x	x
		600V	A	16	25	27,5	x	x
		800V	A	11,5	12	12,5	x	x
		1000V	A	8	9	10	x	x
		1200V	A	-	-	-	x	x
Rated conditional short-circuit current			kA _{eff}	5	5	5	5	5
	Max. fuse size		gL (gG)	40	63	80	90	125
Mechanical life			x10 ³	10	10	10		
Rated short-time withstand current (1s)	I_{cw}	A2, A4, A6, A8	A	800	900	1000	A2, A4: 1200	A2, A4: 1400
		A2+2, A3+2, A4+2	A	1300	1500	1700	A2+2: 2000	A2+2: 2400
Short circuit making capacity	I_{cm}	A2, A4, A6, A8	A	800	900	1000	A2, A4: 1200	A2, A4: 1400
		A2+2, A3+2, A4+2	A	1300	1500	1700	A2+2: 2000	A2+2: 2400
Maximum cable cross sections (incl. jumper LSV-B1)								
solid or stranded			mm ²	4 - 16	4 - 16	4 - 16	2,5 - 25	2,5 - 25
flexible			mm ²	4 - 10	4 - 10	4 - 10	4 - 16	4 - 16
flexible (+ multicore cable end)			mm ²	4 - 10	4 - 10	4 - 10	2,5 - 16	2,5 - 16
Size of terminal screw				M4 Pz2	M4 Pz2	M4 Pz2	M5 Pz2	M5 Pz2
Tightening torque			Nm	1,2 - 1,8	1,2 - 1,8	1,2 - 1,8	2,5 - 3	2,5 - 3
2 cables per clamp without jumper LSV-B1 / LSV-B2								
solid or stranded			mm ²	16+(1,5-2,5) / 10+(1,5-6) / 6+(1,5-10) / 4+(1,5-10)			16+(1,5-2,5) / 10+(1,5-10) / 6+(1,5-10) / 4+(1,5-10)	
flexible & flexible + multicore cable end			mm ²	16+(1,5-2,5) / 10+(1,5-4) / 6+(1,5-6)			16+(1,5-6) / 10+(1,5-10) / 6+(1,5-16) / 4+(1,5-16)	
stranded			AWG	8+(16-12) / 10+(16-10) / 12+(16-8) 14+(16-8)			3+(18-10) / 4+(18-10) / 6+(18-8) 8+(18-8)	
solid			AWG	10+(16-12) / 12+(16-10) 14+(16-10)			10+(16-10) / 12+(16-10) / 14+(16-10) 12+(16-10) / 14+(16-10)	
Maximum ambient temperature								
Operation	open		°C			-40 to +65		
		enclosed	°C			-40 to +45		
Storage			°C			-50 to +90		
Power loss per switch at I_e max. DC21B								
A2			W	0,8	2	3	4	6
A4			W	1,6	4	6	8	12
A6			W	2,4	6	9	12	18
A8			W	3,2	8	12	16	24
A2+2			W	0,4	1	1,5	2	3
A3+2			W	0,6	1,5	2,25	3	4,5
A4+2			W	0,8	2	3	4	6




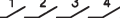

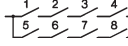


x in test

Technical Datas






Daten nach UL508I 

File E359344, und UL508 

File E332938, Category no.: NRNT2, NRNT8

Type	LS16	LS25	LS32	LS40	LS55		
Ampere-Rating "General use" 1 Pol 	DC						
	350V A	4	5	6	7,1	10	
	500V A	4	5	6	5,7	8	
	600V A	4	5	6	5,0	7	
	700V A	-	-	-	3,9	5,5	
	800V A	-	-	-	3,2	4,5	
	900V A	-	-	-	2,5	3,5	
	1000V A	-	-	-	1,5	2	
	2 poles in series 	350V A	16	20	25	40	55
		500V A	16	20	25	40	55
600V A		16	20	25	40	55	
700V A		-	-	-	32	46	
800V A		-	-	-	26	37	
900V A		-	-	-	20	28	
1000V A		-	-	-	16	20	
2 poles in series + 2 poles parallel 	350V A	29	45	58	72	85	
	400V A	-	-	-	67	79	
	500V A	29	38	40	53	67	
	600V A	21	23	25	42	55	
	700V A	-	-	-	35	38	
	800V A	-	-	-	30	33	
	900V A	-	-	-	26	28	
	1000V A	-	-	-	22	25	
4 poles in series 	350V A	16	25	32	40	55	
	500V A	16	25	32	40	55	
	600V A	16	25	32	40	55	
	700V A	-	-	-	40	55	
	800V A	-	-	-	40	55	
	900V A	-	-	-	40	55	
	1000V A	-	-	-	40	55	
3 poles in series + 2 poles parallel 	350V A	29	45	58	-	-	
	500V A	29	38	50	-	-	
	600V A	21	38	45	-	-	
4 poles in series + 2 poles parallel 	350V A	29	45	58	-	-	
	500V A	29	45	58	-	-	
	600V A	29	45	50	-	-	
AC-Rating "General use"							
2 poles in series 	600V A	16	25	32	x	x	
2 poles in series + 2 poles parallel 	277V A	-	-	50	x	x	
3 poles parallel	3x480V A	-	-	32	-	-	
Fuse size (RK5) Industrial Control Switch							
5kA / 600V A	40	60	80	-	-		
5KA/1000V A	-	-	-	90	125		
Maximum cable cross sections (incl. jumper LSV-B1)							
solid or stranded AWG	12 - 10	12 - 10	12 - 10	16 - 10	16 - 10		
flexible AWG	12 - 6	12 - 6	12 - 6	14 - 4	14 - 4		
flexible (+ multicore cable end) AWG	12 - 6	12 - 6	12 - 6				
Size of terminal screw	M4 Pz2	M4 Pz2	M4 Pz2	M5 Pz2	M5 Pz2		
Tightening torque lb.inch	11 - 16	11 - 16	11 - 16	22 - 26	22 - 26		

Approvals

Country	USA, UL508I 	US, Canada UL508 	Europe 	TÜVRheinland 	China CCC 	CB-Zertifikate
Type						
LS16	o	o	/	o	o	o
LS25	o	o	/	o	o	o
LS32	o	o	/	o	o	o
LS40	x	x	/	x	x	x
LS55	x	x	/	x	x	x

o In standard version approved
- Not provided for test till now

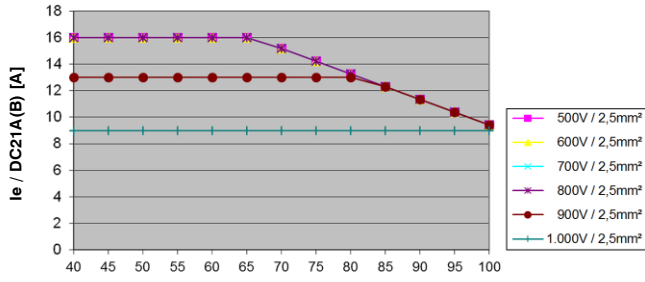
/ No testing required CE

x In test

Technical Datas

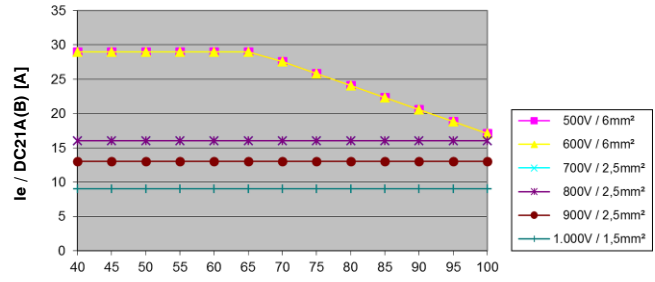
Maximum current according to ambient temperature and cable cross section

Switch LS16..., 2 contacts in series, open



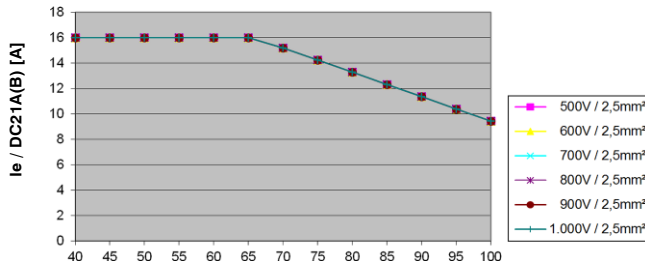
Ambient temperature around the switch (°C)

Switch LS16 ..., 2 contacts in series + 2 parallel, open



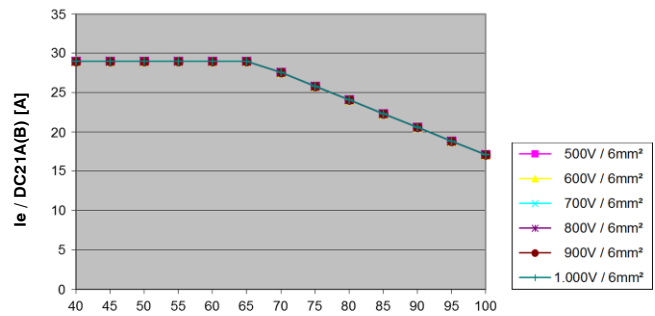
Ambient temperature around the switch (°C)

Switch LS16..., 4 contacts in series, open



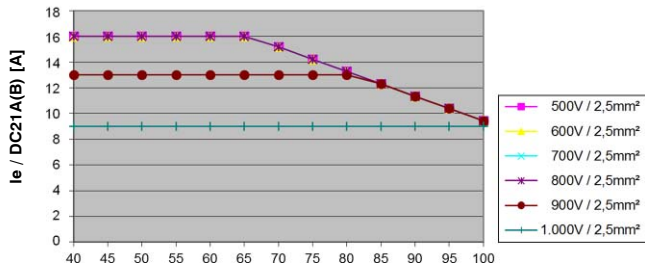
Ambient temperature around the switch (°C)

Switch LS16 ..., 4 contacts in series + 2 parallel, open



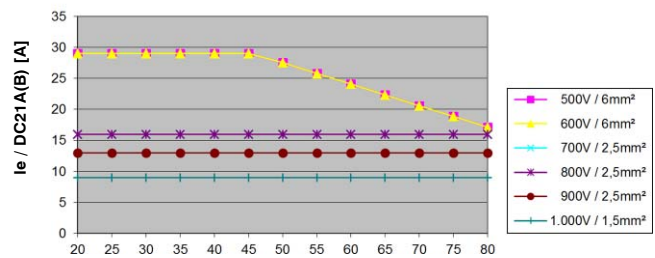
Ambient temperature around the switch (°C)

Enclosed switch LS16 PFL..., 2 contacts in series



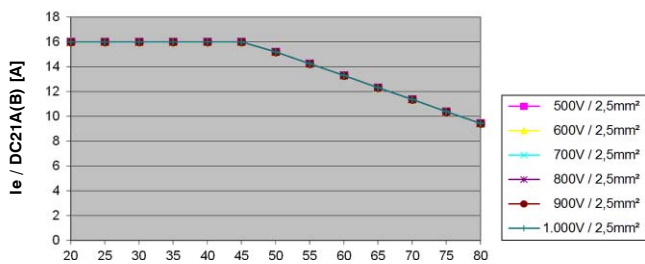
Ambient temperature around the switch (°C)

Enclosed switch LS16 PFL..., 2 contacts in series + 2 parallel



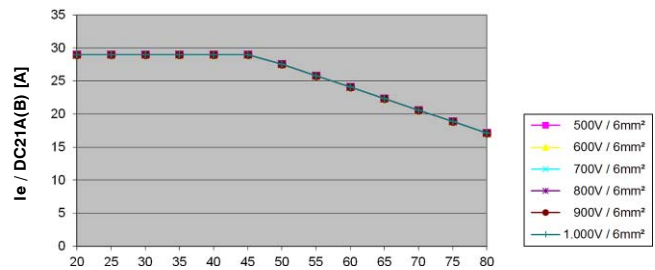
Ambient temperature around the switch (°C)

Enclosed switch LS16 PFL..., 4 contacts in series



Ambient temperature around the switch (°C)

Enclosed switch LS16 PFL..., 4 contacts in series + 2 parallel

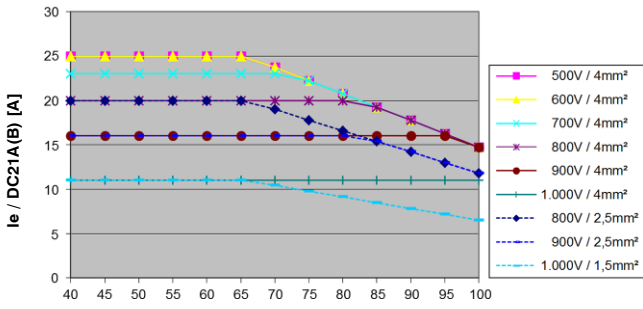


Ambient temperature around the switch (°C)

Technical Datas

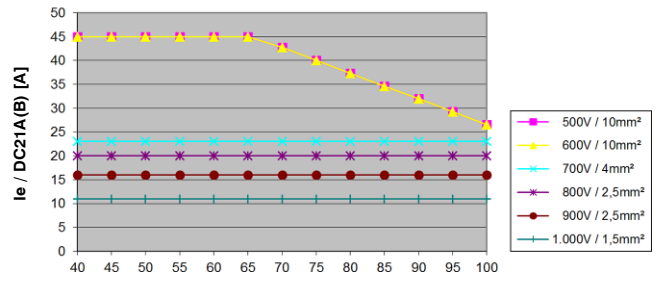
Maximum current according to ambient temperature and cable cross section

Switch LS25..., 2 contacts in series, open



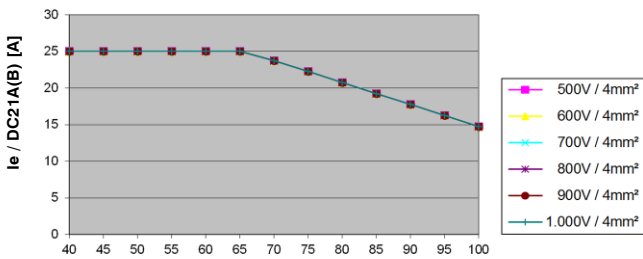
Ambient temperature around the switch (°C)

Switch LS25 ..., 2 contacts in series + 2 parallel, open



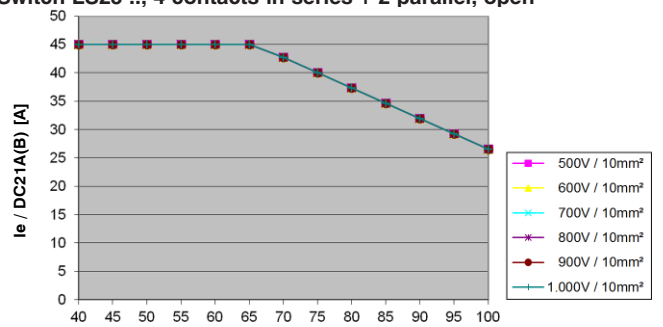
Ambient temperature around the switch (°C)

Switch LS25..., 4 contacts in series, open



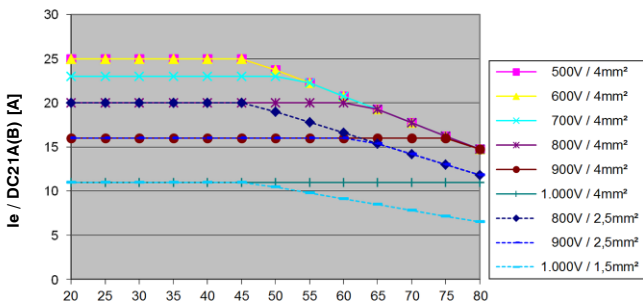
Ambient temperature around the switch (°C)

Switch LS25 ..., 4 contacts in series + 2 parallel, open



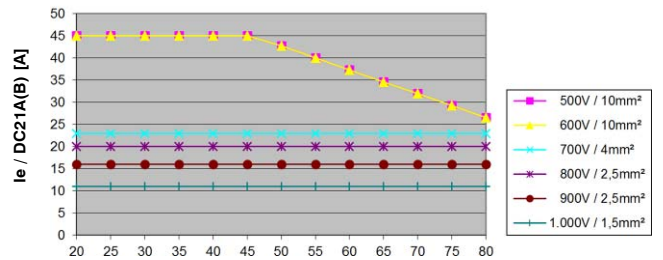
Ambient temperature around the switch (°C)

Enclosed switch LS25 PFL..., 2 contacts in series



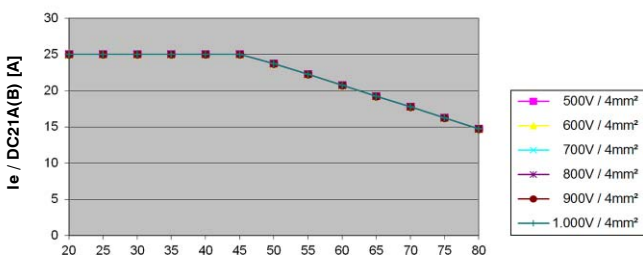
Ambient temperature around the switch (°C)

Enclosed switch LS25 PFL..., 2 contacts in series + 2 parallel



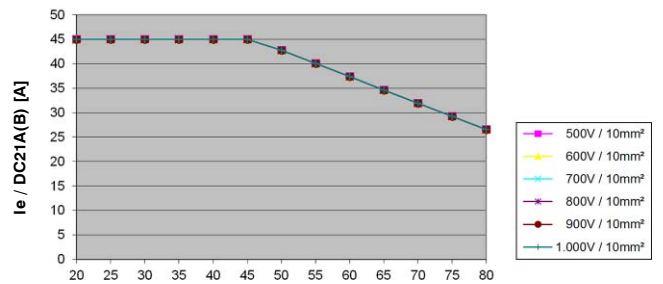
Ambient temperature around the switch (°C)

Enclosed switch LS25 PFL..., 4 contacts in series



Ambient temperature around the switch (°C)

Enclosed switch LS25 PFL..., 4 contacts in series + 2 parallel

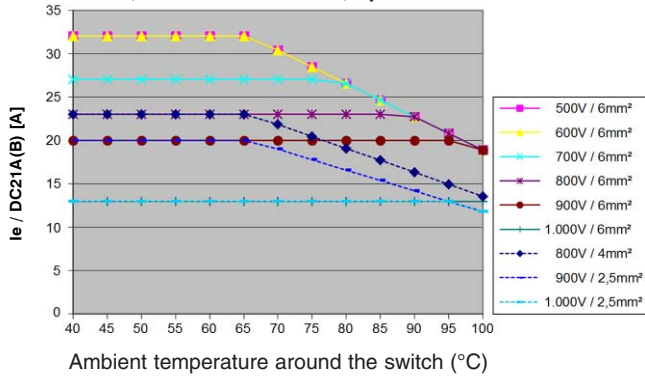


Ambient temperature around the switch (°C)

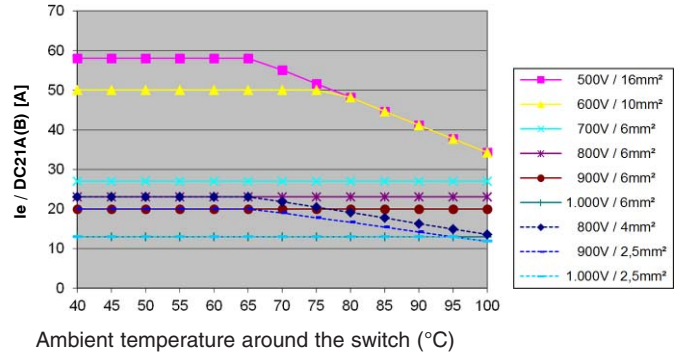
Technical Datas

Maximum current according to ambient temperature and cable cross section

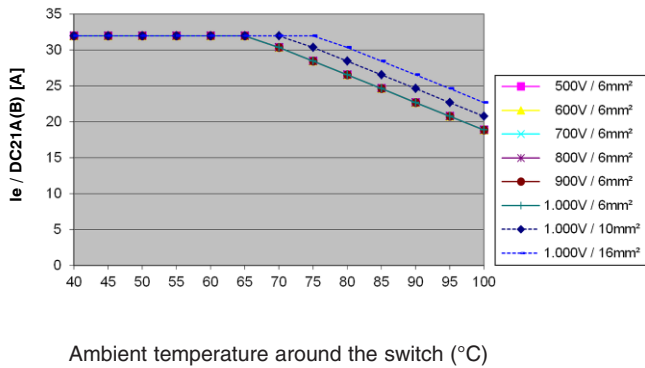
Switch LS32..., 2 contacts in series, open



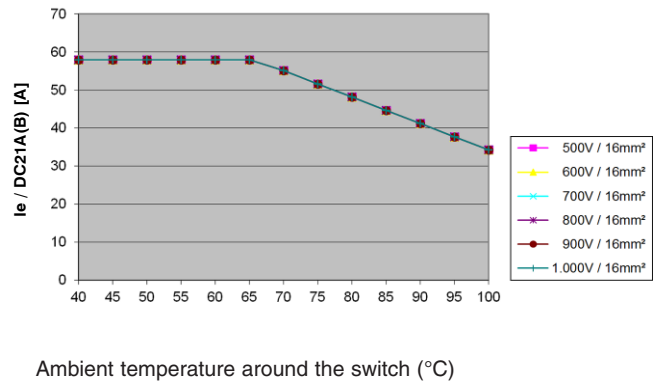
Switch LS32 ..., 2 contacts in series + 2 parallel, open



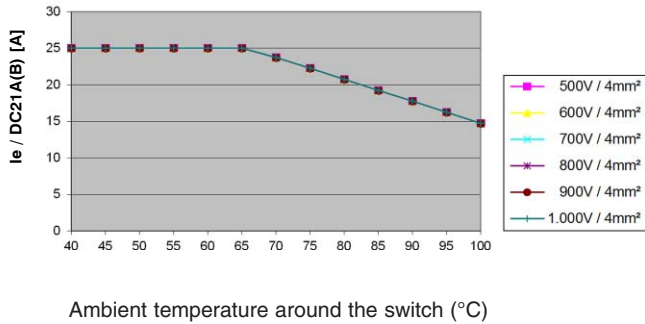
Switch LS32..., 4 contacts in series, open



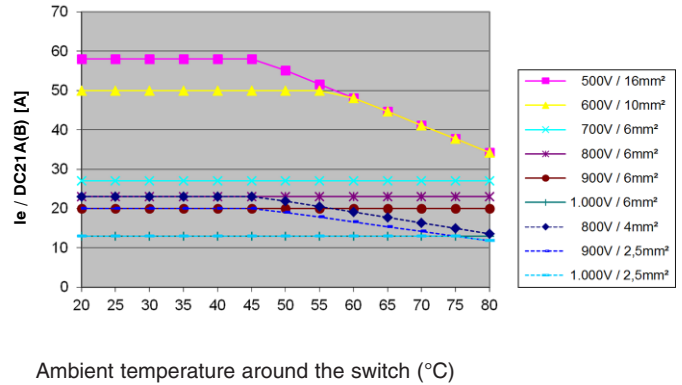
Switch LS32 ..., 4 contacts in series + 2 parallel, open



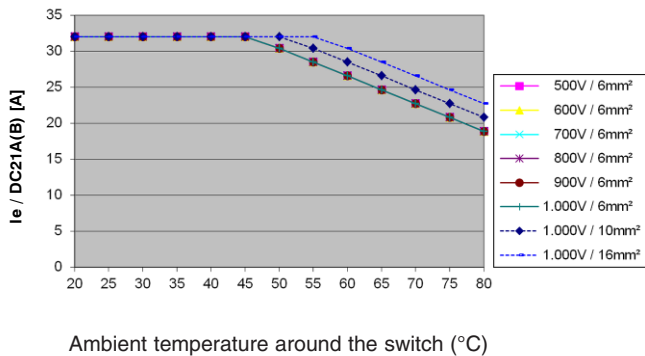
Enclosed switch LS32 PFL..., 2 contacts in series



Enclosed switch LS32 PFL..., 2 contacts in series + 2 parallel



Enclosed switch LS32 PFL..., 4 contacts in series



Enclosed switch LS32 PFL..., 4 contacts in series + 2 parallel

