

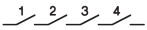


Technical Data

Data according to IEC 60947-3, VDE 0660

Main contacts		Type	LS16	LS25	LS32	LS38	LS40	LS55
Rated operational current I_e DC22B	1 pole A1 	500V A	1	1,25	1,5	x	x	2,5
		600V A	0,5	0,75	1	x	x	2,0
		800V A	0,3	0,4	0,5	x	x	1,5
		1000V A	0,15	0,2	0,25	x	x	1,0
		1200V A	-	-	-	x	x	x
	2 poles in series A2 	500V A	7	8	9	x	x	x
		600V A	5,5	6	6,5	x	x	x
		800V A	2	2,5	3	x	x	x
		1000V A	1	1,5	2	x	x	x
		1200V A	-	-	-	x	x	x
	4 poles in series A4 	500V A	16	25	32	x	x	x
		600V A	16	25	27,5	x	x	x
		800V A	11,5	12	12,5	x	x	x
		1000V A	8	9	10	x	x	x
		1200V A	-	-	-	x	x	x
	1500V A	-	-	-	x	x	x	
Rated conditional short-circuit current		kA _{eff}	5	5	5	5	10	10
Max. fuse size	gL (gG)	A	40	63	80	80	125	160
Mechanical life		x10 ³	10	10	10	10	10	10
Rated short-time withstand current (1s)	lcw A2, A4, A6, A8	A	800	900	1000	1000	A2, A4: 1200	A2, A4: 1400
	A2+2, A3+2, A4+2	A	1300	1500	1700	1700	A2+2: 2000	A2+2: 2400
Short circuit making capacity	lcm A2, A4, A6, A8	A	800	900	1000	1000	A2, A4: 1200	A2, A4: 1400
	A2+2, A3+2, A4+2	A	1300	1500	1700	1700	A2+2: 2000	A2+2: 2400
Maximum cable cross sections (incl. jumper)			LSV-B1	LSV-B1	LSV-B1	LSV-B1	LSV-B2	LSV-B2
solid or stranded		mm ²	4 - 16	4 - 16	4 - 16	4-16	2,5 - 25	2,5 - 25
flexible		mm ²	4 - 10	4 - 10	4 - 10	4-10	2,5 - 16	2,5 - 16
flexible (+ multicore cable end)		mm ²	4 - 10	4 - 10	4 - 10	4-10	1,5 - 16	1,5 - 16
Size of terminal screw			M4 Pz2	M4 Pz2	M4 Pz2	M4 Pz2	M5 Pz2	M5 Pz2
Tightening torque		Nm	1,8 - 2	1,8 - 2	1,8 - 2	1,8 - 2	2,5 - 2,8	2,5 - 2,8
2 cables per terminal 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.			A		A		A	
A2	(A)/W	(16)/ 1	(25)/ 2,3	(32)/ 3,7	(40)/ 4	(55)/ 7,5		
A4	(A)/W	(16)/ 2	(25)/ 4,6	(32)/ 7,4	(40)/ 8	(55)/ 15		
A6	(A)/W	(16)/ 3	(25)/ 6,9	(32)/ 11,1	(40)/ 12	(55)/ 22,5		
A8	(A)/W	(16)/ 4	(25)/ 9,2	(32)/ 14,8	(40)/ 16	(55)/ 30		
A2+2	(A)/W	(29)/1,5	(45)/ 3,7	(58)/ 6	(72)/ 6,5	(85)/ 9		
A3+2	(A)/W	(29)/2,3	(45)/ 5,6	(58)/ 9	(72)/ 9,8	(85)/ 14		
A4+2	(A)/W	(29)/3	(45)/ 7,4	(58)/ 12	(72)/ 13	(85)/ 18		
Contact resistance per pole		mΩ	1,75	1,75	1,75	1,25	1,25	

x pending