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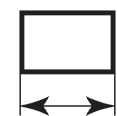
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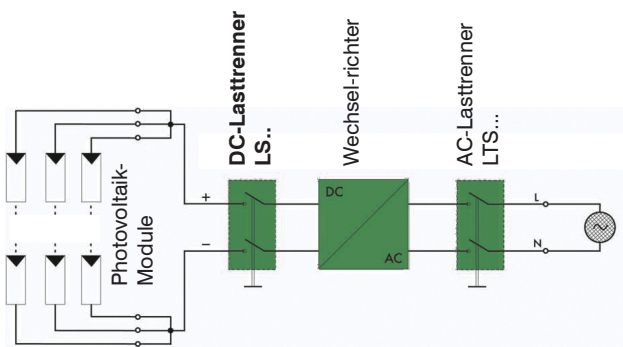
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Schütze, Motorstarter  
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Schalter  
AC-Hauptschalter  
DC-Lasttrennschalter  
Befehls- und Meldegeräte  
Vertretungen, Bezugsquellen

Nennwerte				DC-Lasttrennschalter			
Nennbetriebsstrom				Bauformen			
Typ	I <sub>th</sub> offen A	DC21B(DC-PV1) bei U <sub>e</sub> 4 Kontakte in Serie		Fronteinbau Vierlochbefestigung IP66 <sup>1)</sup> Type 3R	Zentral- mit Tür- kupplung Ø22,5mm IP66 <sup>1)</sup> Type 4X	Verteilereinbau IP66 <sup>1)</sup> Type 4X	Reiheneinbau IP40 <sup>1)</sup> Open Type
		A	A	V			
LS16	16	16	1500	.. E ..	.. Z(O) ..	.. VZV ..	.. SMA ..
LS25	25	25	1500	.. E ..	.. Z(O) ..	.. VZV ..	.. SMA ..
LS32	32	32	1500	.. E ..	.. Z(O) ..	.. VZV ..	.. SMA ..
LS38	38	38	1500	.. E ..	.. Z(O) ..	.. VZV ..	.. SMA ..
LS40	40	40	1500	.. E ..	-	.. VZV ..	.. SMA ..
LS55	55	55	1500	.. E ..	-	.. VZV ..	.. SMA ..

## Lasttrennschalter für Photovoltaik

Gemäß IEC 60364-7-712 „Errichten von Photovoltaik-Versorgungssystemen“ ist eine Einrichtung zum Trennen (= Lasttrennschalter) der Photovoltaik-Module vom Wechselrichter verbindlich vorgeschrieben.



Lasttrennschalter „LS“ gewährleisten ein zuverlässiges Schalten von bis zu 85A bei 1500V in der Kategorie DC21B (DC-PV1).

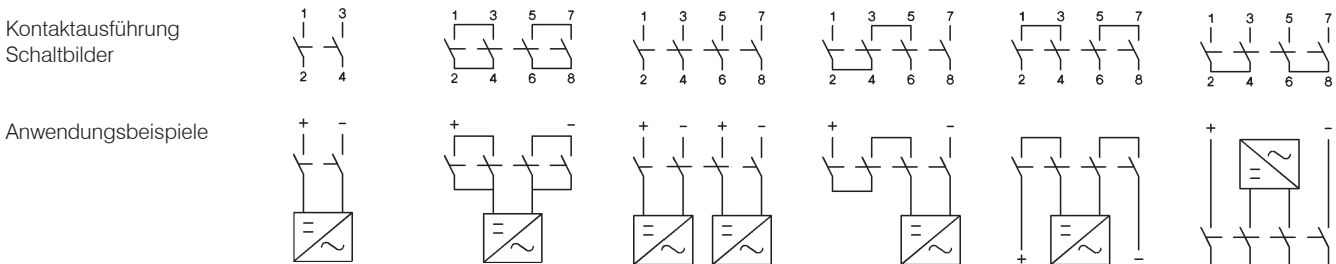
Die Kontakte sind gegen Oxidation (geringe Schalthäufigkeit) und somit gegen unzulässige Erwärmung geschützt.

Der Lasttrennschalter ist mit 2, 4, 6 oder 8 schaltbaren, einzelnen Kontakten ausgestattet. Durch Serien- und Parallelschaltung der Kontakte kann die Schaltleistung entsprechend erhöht werden.

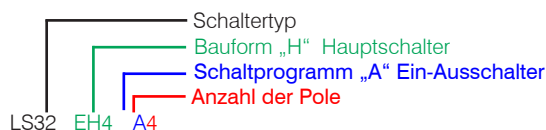
Die hohe Schaltgeschwindigkeit der Kontakte ist unabhängig von der Betätigungsgeschwindigkeit des Handgriffes.

## Schaltprogramme

Typ	2-polig	2+2-polig 2 Pole in Serie + 2 Pole parallel	4-polig	4-polig mit Brücken Einspeisung oben Abgang unten	4-polig 2 Brücken oben Einspeisung und Abgang unten	4-polig 2 Brücken unten Einspeisung und Abgang oben
LS16 ... LS55	.. A2	.. A2+2	.. A4(2 x A2)	.. A4B	.. A4O	.. A4U



## Bestellanleitung



1) Schutzart von vorne im eingebauten Zustand

## DC-Hauptschalter

Fronteinbau  
Vierlochbefestigung  
IP66<sup>1)</sup> Type 3R



Zentralbefestigung  
Ø22,5mm  
IP66<sup>1)</sup> Type 4X



Verteilereinbau  
mit Türkupplung  
IP66<sup>1)</sup> Type 4X



Reiheneinbau  
IP40<sup>1)</sup> Open Type



Preßstoffgekapself  
PFL...IP66/67 Type 4X



.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. SMAH1 ..	.. PFLH4 ..
.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. SMAH1 ..	.. PFLH4 ..
.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. SMAH1 ..	.. PFLH4 ..
.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. SMAH1 ..	.. PFLH4 ..
.. EH4 ..	-	.. VZVH4 ..	.. SMAH1 ..	.. PFLH4 ..
.. EH4 ..	-	.. VZVH4 ..	.. SMAH1 ..	.. PFLH4 ..

### Technische Daten für DC, nach IEC 60947-3, VDE0660, weitere Daten siehe Seite 315

Typ		DC21B (DC-PV1)							DC22B				
		500V	600V	700V	800V	900V	1000V	1200V	1500V	500V	600V	800V	1000V
2 Pole in Serie 	<b>LS16..</b> A	16	16	16	16	16	10	7	3	7	5,5	2	1
	<b>LS25..</b> A	25	25	25	20	17	11,5	8,5	5	8	6	2,5	1,5
	<b>LS32..</b> A	32	32	32	23	20	13	10	6	9	6,5	3	2
	<b>LS38..</b> A	45	45	-	30	-	20	-	-	-	-	-	-
	<b>LS40..</b> A	48	48	37	35	31	29	11	7,5	-	-	-	-
	<b>LS55..</b> A	55	55	55	55	43	36	17	10	-	-	-	-
2 Pole in Serie+2 parallel 	<b>LS16..</b> A	29	29	22	17	16	10	7	3	-	-	-	-
	<b>LS25..</b> A	45	36	27	19	17	11,5	8,5	5	-	-	-	-
	<b>LS32..</b> A	58	55	32	23	20	13	10	6	-	-	-	-
	<b>LS38..</b> A	-	-	-	30	-	20	-	-	-	-	-	-
	<b>LS40..</b> A	72	68	49	42	31	29	11	7,5	-	-	-	-
	<b>LS55..</b> A	85	85	77	63	43	36	17	10	-	-	-	-
4 Pole in Serie 	<b>LS16..</b> A	16	16	16	16	16	16	16	16	16	16	11,5	8
	<b>LS25..</b> A	25	25	25	25	25	25	25	25	25	25	12	9
	<b>LS32..</b> A	32	32	32	32	32	32	32	32	32	32	12,5	10
	<b>LS38..</b> A	45	45	-	-	-	-	-	-	-	-	-	-
	<b>LS40..</b> A	48	48	40	40	40	40	40	40	40	40	40	40
	<b>LS55..</b> A	55	55	55	55	55	55	55	55	55	55	55	55
4 Pole in Serie+2 parallel 	<b>LS16..</b> A	29	29	29	29	29	29	29	20	-	-	-	-
	<b>LS25..</b> A	45	45	45	45	45	45	45	26	-	-	-	-
	<b>LS32..</b> A	58	58	58	58	58	58	50	32	-	-	-	-
	<b>LS38..</b> A	-	-	-	-	-	-	-	-	-	-	-	-
	<b>LS40..</b> A	72	72	72	72	72	72	56	42	-	-	-	-
	<b>LS55..</b> A	85	85	85	85	85	85	65	55	-	-	-	-

Typ	6-polig	3+2-polig 3 Pole in Serie +2 Pole parallel	8-polig	4+2-polig 4 Pole in serie +2 Pole parallel
<b>LS16 ... LS55</b>	...A6	.. A3+2	...A8	.. A4+2
Kontaktausführung Schaltbilder				
Anwendungsbeispiele				

Isolierte Verbinder LSV... für Serien- und Parallelschaltung von Kontakten



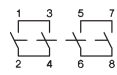
Typ	VPE	Gewicht
<b>LS16, LS25, LS32, LS38</b> LSV-B1-1 <sup>1)</sup>	100	6,60 g/Stk.
<b>LS16, LS25, LS32, LS38</b> LSV-B1-2 <sup>1)</sup>	100	5,90 g/Stk.
<b>LS40, LS55</b> LSV-B2 <sup>1)</sup>	100	9,64 g/Stk.
<b>LS40, LS55</b> LSV-B2-1 <sup>1)</sup>	100	7,50 g/Stk.

1) Auswahl und Details zu den Verbindern siehe S. 329

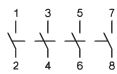
# Ein-Aus-Schalter, Fronteinbau m. Vierlochbefestigung, Schild 64<sup>r</sup>, Schutzart IP66, Type 3R



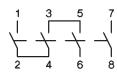
DC21B / DC-PV1 600V DC 1000V DC	Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
16A 10A	2	1	<b>LS16 E A2</b>	1	0,20
25A 11,5A	2	1	<b>LS25 E A2</b>	1	0,20
32A 13A	2	1	<b>LS32 E A2</b>	1	0,20
45A 20A	2	1	<b>LS38 E A2</b>	1	0,20
48A 29A	2	1	<b>LS40 E A2</b>	1	0,41
55A 36A	2	1	<b>LS55 E A2</b>	1	0,41



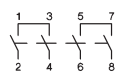
29A 10A	2	1	<b>LS16 E A2+2</b>	1	0,25
36A 11,5A	2	1	<b>LS25 E A2+2</b>	1	0,25
55A 13A	2	1	<b>LS32 E A2+2</b>	1	0,25
- 20A	2	1	<b>LS38 E A2+2</b>	1	0,25
68A 29A	2	1	<b>LS40 E A2+2</b>	1	0,54
85A 36A	2	1	<b>LS55 E A2+2</b>	1	0,54



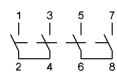
16A 10A	2	2	<b>LS16 E A4</b>	1	0,23
25A 11,5A	2	2	<b>LS25 E A4</b>	1	0,23
32A 13A	2	2	<b>LS32 E A4</b>	1	0,23
45A 20A	2	2	<b>LS38 E A4</b>	1	0,23
48A 29A	2	2	<b>LS40 E A4</b>	1	0,49
55A 36A	2	2	<b>LS55 E A4</b>	1	0,49



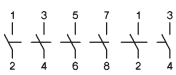
16A 16A	4	1	<b>LS16 E A4B</b>	1	0,24
25A 25A	4	1	<b>LS25 E A4B</b>	1	0,24
32A 32A	4	1	<b>LS32 E A4B</b>	1	0,24
45A -	4	1	<b>LS38 E A4B</b>	1	0,24
48A 40A	4	1	<b>LS40 E A4B</b>	1	0,52
55A 55A	4	1	<b>LS55 E A4B</b>	1	0,52



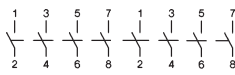
16A 16A	4	1	<b>LS16 E A4O</b>	1	0,24
25A 25A	4	1	<b>LS25 E A4O</b>	1	0,24
32A 32A	4	1	<b>LS32 E A4O</b>	1	0,24
45A -	4	1	<b>LS38 E A4O</b>	1	0,24
48A 40A	4	1	<b>LS40 E A4O</b>	1	0,52
55A 55A	4	1	<b>LS55 E A4O</b>	1	0,52



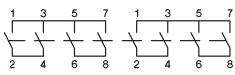
16A 16A	4	1	<b>LS16 E A4U</b>	1	0,24
25A 25A	4	1	<b>LS25 E A4U</b>	1	0,24
32A 32A	4	1	<b>LS32 E A4U</b>	1	0,24
45A -	4	1	<b>LS38 E A4U</b>	1	0,24
48A 40A	4	1	<b>LS40 E A4U</b>	1	0,52
55A 55A	4	1	<b>LS55 E A4U</b>	1	0,52



16A 10A	2	3	<b>LS16 E A6</b>	1	0,36
25A 11,5A	2	3	<b>LS25 E A6</b>	1	0,36
32A 13A	2	3	<b>LS32 E A6</b>	1	0,36
45A 20A	2	3	<b>LS38 E A6</b>	1	0,36
48A 29A	2	3	<b>LS40 E A6</b>	1	0,99
55A 36A	2	3	<b>LS55 E A6</b>	1	0,99



16A 10A	2	4	<b>LS16 E A8</b>	1	0,41
25A 11,5A	2	4	<b>LS25 E A8</b>	1	0,41
32A 13A	2	4	<b>LS32 E A8</b>	1	0,41
45A 20A	2	4	<b>LS38 E A8</b>	1	0,41
48A 29A	2	4	<b>LS40 E A8</b>	1	1,09
55A 36A	2	4	<b>LS55 E A8</b>	1	1,09



29A 29A	4	1	<b>LS16 E A4+2</b>	1	0,46
45A 45A	4	1	<b>LS25 E A4+2</b>	1	0,46
58A 58A	4	1	<b>LS32 E A4+2</b>	1	0,46
- -	4	1	<b>LS38 E A4+2</b>	1	0,46
72A 72A	4	1	<b>LS40 E A4+2</b>	1	1,20
85A 85A	4	1	<b>LS55 E A4+2</b>	1	1,20









































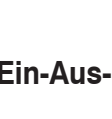




## Verlängerte Schalterwelle für Schalter für Fronteinbau

Typenzusatz

+VW“x“

x = Panelstärke

# Ein-Aus-Schalter, Zentralbefestigung Ø22mm, Schild 48<sup>r</sup>, Schutzart IP66, Type 4X

	DC21B / DC-PV1		Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
	600V DC	1000V DC					
			2	1	<b>LS16 Z A2</b>	1	0,21
			2	1	<b>LS25 Z A2</b>	1	0,21
			2	1	<b>LS32 Z A2</b>	1	0,21
			2	1	<b>LS38 Z A2</b>	1	0,21
			2	1	<b>LS16 Z A2+2</b>	1	0,26
			2	1	<b>LS25 Z A2+2</b>	1	0,26
			2	1	<b>LS32 Z A2+2</b>	1	0,26
			2	1	<b>LS38 Z A2+2</b>	1	0,26
			2	2	<b>LS16 Z A4</b>	1	0,23
			2	2	<b>LS25 Z A4</b>	1	0,23
			2	2	<b>LS32 Z A4</b>	1	0,23
			2	2	<b>LS38 Z A4</b>	1	0,23
			4	1	<b>LS16 Z A4B</b>	1	0,25
			4	1	<b>LS25 Z A4B</b>	1	0,25
			4	1	<b>LS32 Z A4B</b>	1	0,25
			4	1	<b>LS38 Z A4B</b>	1	0,25
			4	1	<b>LS16 Z A4O</b>	1	0,25
			4	1	<b>LS25 Z A4O</b>	1	0,25
			4	1	<b>LS32 Z A4O</b>	1	0,25
			4	1	<b>LS38 Z A4O</b>	1	0,25
			4	1	<b>LS16 Z A4U</b>	1	0,25
			4	1	<b>LS25 Z A4U</b>	1	0,25
			4	1	<b>LS32 Z A4U</b>	1	0,25
			4	1	<b>LS38 Z A4U</b>	1	0,25
			2	3	<b>LS16 Z A6</b>	1	0,38
			2	3	<b>LS25 Z A6</b>	1	0,38
			2	3	<b>LS32 Z A6</b>	1	0,38
			2	3	<b>LS38 Z A6</b>	1	0,38
			2	4	<b>LS16 Z A8</b>	1	0,43
			2	4	<b>LS25 Z A8</b>	1	0,43
			2	4	<b>LS32 Z A8</b>	1	0,43
			2	4	<b>LS38 Z A8</b>	1	0,43
			4	1	<b>LS16 Z A4+2</b>	1	0,48
			4	1	<b>LS25 Z A4+2</b>	1	0,48
			4	1	<b>LS32 Z A4+2</b>	1	0,48
			4	1	<b>LS38 Z A4+2</b>	1	0,48

# Ein-Aus-Schalter, Zentralbefestigung Ø22mm, ohne Schild, Schutzart IP66, Type 4X

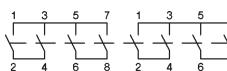
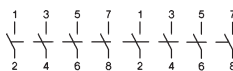
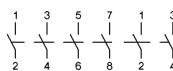
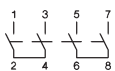
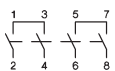
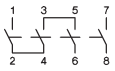
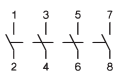
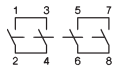
bei Type „Z“ durch „ZO“ ersetzen **LS.. ZO A.**



# Ein-Aus-Schalter, Bodenmontage, Türkupplung für Zentralbefestigung, Schild 64, IP66, Type 4X




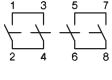

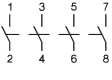

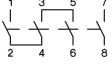

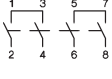

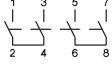

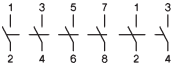

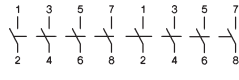

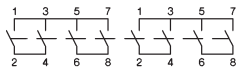


Einbautiefe einstellbar



DC21B / DC-PV1		Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
600V DC	1000V DC					
16A	10A	2	1	<b>LS16 VZV A2</b>	1	0,22
25A	11,5A	2	1	<b>LS25 VZV A2</b>	1	0,22
32A	13A	2	1	<b>LS32 VZV A2</b>	1	0,22
45A	20A	2	1	<b>LS38 VZV A2</b>	1	0,22
48A	29A	2	1	<b>LS40 VZV A2</b>	1	0,51
55A	36A	2	1	<b>LS55 VZV A2</b>	1	0,51
29A	10A	2	1	<b>LS16 VZV A2+2</b>	1	0,27
36A	11,5A	2	1	<b>LS25 VZV A2+2</b>	1	0,27
55A	13A	2	1	<b>LS32 VZV A2+2</b>	1	0,27
-	20A	2	1	<b>LS38 VZV A2+2</b>	1	0,27
68A	29A	2	1	<b>LS40 VZV A2+2</b>	1	0,55
85A	36A	2	1	<b>LS55 VZV A2+2</b>	1	0,55
16A	10A	2	2	<b>LS16 VZV A4</b>	1	0,25
25A	11,5A	2	2	<b>LS25 VZV A4</b>	1	0,25
32A	13A	2	2	<b>LS32 VZV A4</b>	1	0,25
45A	20A	2	2	<b>LS38 VZV A4</b>	1	0,25
48A	29A	2	2	<b>LS40 VZV A4</b>	1	0,56
55A	36A	2	2	<b>LS55 VZV A4</b>	1	0,56
16A	16A	4	1	<b>LS16 VZV A4B</b>	1	0,26
25A	25A	4	1	<b>LS25 VZV A4B</b>	1	0,26
32A	32A	4	1	<b>LS32 VZV A4B</b>	1	0,26
45A	-	4	1	<b>LS38 VZV A4B</b>	1	0,26
48A	40A	4	1	<b>LS40 VZV A4B</b>	1	0,58
55A	55A	4	1	<b>LS55 VZV A4B</b>	1	0,58
16A	16A	4	1	<b>LS16 VZV A40</b>	1	0,26
25A	25A	4	1	<b>LS25 VZV A40</b>	1	0,26
32A	32A	4	1	<b>LS32 VZV A40</b>	1	0,26
45A	-	4	1	<b>LS38 VZV A40</b>	1	0,26
48A	40A	4	1	<b>LS40 VZV A40</b>	1	0,58
55A	55A	4	1	<b>LS55 VZV A40</b>	1	0,58
16A	16A	4	1	<b>LS16 VZV A4U</b>	1	0,26
25A	25A	4	1	<b>LS25 VZV A4U</b>	1	0,26
32A	32A	4	1	<b>LS32 VZV A4U</b>	1	0,26
45A	-	4	1	<b>LS38 VZV A4U</b>	1	0,26
48A	40A	4	1	<b>LS40 VZV A4U</b>	1	0,58
55A	55A	4	1	<b>LS55 VZV A4U</b>	1	0,58
16A	10A	2	3	<b>LS16 VZV A6</b>	1	0,38
25A	11,5A	2	3	<b>LS25 VZV A6</b>	1	0,38
32A	13A	2	3	<b>LS32 VZV A6</b>	1	0,38
45A	20A	2	3	<b>LS38 VZV A6</b>	1	0,38
48A	29A	2	3	<b>LS40 VZV A6</b>	1	1,00
55A	36A	2	3	<b>LS55 VZV A6</b>	1	1,00
16A	10A	2	4	<b>LS16 VZV A8</b>	1	0,43
25A	11,5A	2	4	<b>LS25 VZV A8</b>	1	0,43
32A	13A	2	4	<b>LS32 VZV A8</b>	1	0,43
45A	20A	2	4	<b>LS38 VZV A8</b>	1	0,43
48A	29A	2	4	<b>LS40 VZV A8</b>	1	1,10
55A	36A	2	4	<b>LS55 VZV A8</b>	1	1,10
29A	29A	4	1	<b>LS16 VZV A4+2</b>	1	0,48
45A	45A	4	1	<b>LS25 VZV A4+2</b>	1	0,48
58A	58A	4	1	<b>LS32 VZV A4+2</b>	1	0,48
-	-	4	1	<b>LS38 VZV A4+2</b>	1	0,48
72A	72A	4	1	<b>LS40 VZV A4+2</b>	1	1,21
85A	85A	4	1	<b>LS55 VZV A4+2</b>	1	1,21

# Ein-Aus-Schalter, Reiheneinbau, Schutzart IP40, Open Type

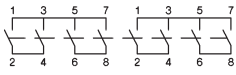
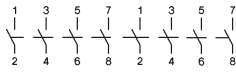
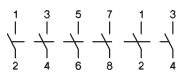
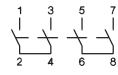
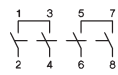
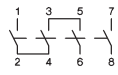
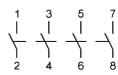
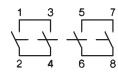
		DDC21B / DC-PV1 600V DC 1000V DC	Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
		16A 10A	2	1	<b>LS16 SMA A2</b>	1	0,19
		25A 11,5A	2	1	<b>LS25 SMA A2</b>	1	0,19
		32A 13A	2	1	<b>LS32 SMA A2</b>	1	0,19
		45A 20A	2	1	<b>LS38 SMA A2</b>	1	0,19
		48A 29A	2	1	<b>LS40 SMA A2</b>	1	0,41
		55A 36A	2	1	<b>LS55 SMA A2</b>	1	0,41
		29A 10A	2	1	<b>LS16 SMA A2+2</b>	1	0,24
		36A 11,5A	2	1	<b>LS25 SMA A2+2</b>	1	0,24
		55A 13A	2	1	<b>LS32 SMA A2+2</b>	1	0,24
		- 20A	2	1	<b>LS38 SMA A2+2</b>	1	0,24
		68A 29A	2	1	<b>LS40 SMA A2+2</b>	1	0,52
		85A 36A	2	1	<b>LS55 SMA A2+2</b>	1	0,52
		16A 10A	2	2	<b>LS16 SMA A4</b>	1	0,22
		25A 11,5A	2	2	<b>LS25 SMA A4</b>	1	0,22
		32A 13A	2	2	<b>LS32 SMA A4</b>	1	0,22
		45A 20A	2	2	<b>LS38 SMA A4</b>	1	0,22
		48A 29A	2	2	<b>LS40 SMA A4</b>	1	0,45
		55A 36A	2	2	<b>LS55 SMA A4</b>	1	0,45
		16A 16A	4	1	<b>LS16 SMA A4B</b>	1	0,23
		25A 25A	4	1	<b>LS25 SMA A4B</b>	1	0,23
		32A 32A	4	1	<b>LS32 SMA A4B</b>	1	0,23
		45A -	4	1	<b>LS32 SMA A4B</b>	1	0,23
		48A 40A	4	1	<b>LS40 SMA A4B</b>	1	0,49
		55A 55A	4	1	<b>LS55 SMA A4B</b>	1	0,49
		16A 16A	4	1	<b>LS16 SMA A4O</b>	1	0,23
		25A 25A	4	1	<b>LS25 SMA A4O</b>	1	0,23
		32A 32A	4	1	<b>LS32 SMA A4O</b>	1	0,23
		45A -	4	1	<b>LS38 SMA A4O</b>	1	0,23
		48A 40A	4	1	<b>LS40 SMA A4O</b>	1	0,49
		55A 55A	4	1	<b>LS55 SMA A4O</b>	1	0,49
		16A 16A	4	1	<b>LS16 SMA A4U</b>	1	0,23
		25A 25A	4	1	<b>LS25 SMA A4U</b>	1	0,23
		32A 32A	4	1	<b>LS32 SMA A4U</b>	1	0,23
		45A -	4	1	<b>LS38 SMA A4U</b>	1	0,23
		48A 40A	4	1	<b>LS40 SMA A4U</b>	1	0,49
		55A 55A	4	1	<b>LS55 SMA A4U</b>	1	0,49
		16A 10A	2	3	<b>LS16 SMA A6</b>	1	0,35
		25A 11,5A	2	3	<b>LS25 SMA A6</b>	1	0,35
		32A 13A	2	3	<b>LS32 SMA A6</b>	1	0,35
		45A 20A	2	3	<b>LS38 SMA A6</b>	1	0,35
		48A 29A	2	3	<b>LS40 SMA A6</b>	1	0,89
		55A 36A	2	3	<b>LS55 SMA A6</b>	1	0,89
		16A 10A	2	4	<b>LS16 SMA A8</b>	1	0,40
		25A 11,5A	2	4	<b>LS25 SMA A8</b>	1	0,40
		32A 13A	2	4	<b>LS32 SMA A8</b>	1	0,40
		45A 20A	2	4	<b>LS38 SMA A8</b>	1	0,40
		48A 29A	2	4	<b>LS40 SMA A8</b>	1	0,99
		55A 36A	2	4	<b>LS55 SMA A8</b>	1	0,99
		29A 29A	4	1	<b>LS16 SMA A4+2</b>	1	0,43
		45A 45A	4	1	<b>LS25 SMA A4+2</b>	1	0,43
		58A 58A	4	1	<b>LS32 SMA A4+2</b>	1	0,43
		- -	4	1	<b>LS38 SMA A4+2</b>	1	0,43
		72A 72A	4	1	<b>LS40 SMA A4+2</b>	1	1,01
		85A 85A	4	1	<b>LS55 SMA A4+2</b>	1	1,01

Schütze, Motorstarter  
Leistungsschalter  
Motorschutzschalter  
Schalter  
AC-Hauptschalter  
DC-Lasttrennschalter  
Befehls- und Meldegeräte  
Vertretungen, Bezugsquellen

# Hauptschalter, Fronteinbau m. Vierlochbefestigung, Schild 64<sup>r</sup>, Schutzart IP66,



Sperrvorrichtung SV4



DC21B / DC-PV1 600V DC 1000V DC	Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
16A 10A	2	1	<b>LS16 EH4 A2</b>	1	0,21
25A 11,5A	2	1	<b>LS25 EH4 A2</b>	1	0,21
32A 13A	2	1	<b>LS32 EH4 A2</b>	1	0,21
45A 20A	2	1	<b>LS38 EH4 A2</b>	1	0,21
48A 29A	2	1	<b>LS40 EH4 A2</b>	1	0,43
55A 36A	2	1	<b>LS55 EH4 A2</b>	1	0,43
29A 10A	2	1	<b>LS16 EH4 A2+2</b>	1	0,26
36A 11,5A	2	1	<b>LS25 EH4 A2+2</b>	1	0,26
55A 13A	2	1	<b>LS32 EH4 A2+2</b>	1	0,26
- 20A	2	1	<b>LS38 EH4 A2+2</b>	1	0,26
68A 29A	2	1	<b>LS40 EH4 A2+2</b>	1	0,57
85A 36A	2	1	<b>LS55 EH4 A2+2</b>	1	0,57
16A 10A	2	2	<b>LS16 EH4 A4</b>	1	0,24
25A 11,5A	2	2	<b>LS25 EH4 A4</b>	1	0,24
32A 13A	2	2	<b>LS32 EH4 A4</b>	1	0,24
45A 20A	2	2	<b>LS38 EH4 A4</b>	1	0,24
48A 29A	2	2	<b>LS40 EH4 A4</b>	1	0,50
55A 36A	2	2	<b>LS55 EH4 A4</b>	1	0,50
16A 16A	4	1	<b>LS16 EH4 A4B</b>	1	0,25
25A 25A	4	1	<b>LS25 EH4 A4B</b>	1	0,25
32A 32A	4	1	<b>LS32 EH4 A4B</b>	1	0,25
45A -	4	1	<b>LS38 EH4 A4B</b>	1	0,25
48A 40A	4	1	<b>LS40 EH4 A4B</b>	1	0,53
55A 55A	4	1	<b>LS55 EH4 A4B</b>	1	0,53
16A 16A	4	1	<b>LS16 EH4 A4O</b>	1	0,25
25A 25A	4	1	<b>LS25 EH4 A4O</b>	1	0,25
32A 32A	4	1	<b>LS32 EH4 A4O</b>	1	0,25
45A -	4	1	<b>LS38 EH4 A4O</b>	1	0,25
48A 40A	4	1	<b>LS40 EH4 A4O</b>	1	0,53
55A 55A	4	1	<b>LS55 EH4 A4O</b>	1	0,53
16A 16A	4	1	<b>LS16 EH4 A4U</b>	1	0,25
25A 25A	4	1	<b>LS25 EH4 A4U</b>	1	0,25
32A 32A	4	1	<b>LS32 EH4 A4U</b>	1	0,25
45A -	4	1	<b>LS38 EH4 A4U</b>	1	0,25
48A 40A	4	1	<b>LS40 EH4 A4U</b>	1	0,53
55A 55A	4	1	<b>LS55 EH4 A4U</b>	1	0,53
16A 10A	2	3	<b>LS16 EH4 A6</b>	1	0,37
25A 11,5A	2	3	<b>LS25 EH4 A6</b>	1	0,37
32A 13A	2	3	<b>LS32 EH4 A6</b>	1	0,37
45A 20A	2	3	<b>LS38 EH4 A6</b>	1	0,37
48A 29A	2	3	<b>LS40 EH4 A6</b>	1	0,53
55A 36A	2	3	<b>LS55 EH4 A6</b>	1	0,53
16A 10A	2	4	<b>LS16 EH4 A8</b>	1	0,42
25A 11,5A	2	4	<b>LS25 EH4 A8</b>	1	0,42
32A 13A	2	4	<b>LS32 EH4 A8</b>	1	0,42
45A 20A	2	4	<b>LS38 EH4 A8</b>	1	0,42
48A 29A	2	4	<b>LS40 EH4 A8</b>	1	1,10
55A 36A	2	4	<b>LS55 EH4 A8</b>	1	1,10
29A 29A	4	1	<b>LS16 EH4 A4+2</b>	1	0,47
45A 45A	4	1	<b>LS25 EH4 A4+2</b>	1	0,47
58A 58A	4	1	<b>LS32 EH4 A4+2</b>	1	0,47
- -	4	1	<b>LS38 EH4 A4+2</b>	1	0,47
72A 72A	4	1	<b>LS40 EH4 A4+2</b>	1	1,21
85A 85A	4	1	<b>LS55 EH4 A4+2</b>	1	1,21

## Verlängerte Schalterwelle für Schalter für Fronteinbau



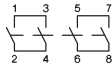

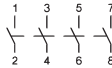
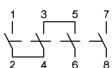
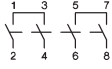
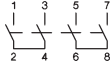

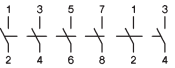
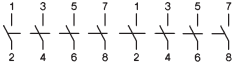
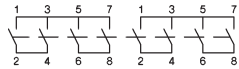
Typenzusatz

+VW“x“

x = Panelstärke



# Hauptschalter, Zentralbefestigung Ø22mm, Schild 48°, Schutzart IP66,

	DC21B / DC-PV1		Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
	600V DC	1000V DC					
			2	1	<b>LS16 ZH1 A2</b>	1	0,21
			2	1	<b>LS25 ZH1 A2</b>	1	0,21
			2	1	<b>LS32 ZH1 A2</b>	1	0,21
			2	1	<b>LS38 ZH1 A2</b>	1	0,21
Sperrvorrichtung SV1			2	1	<b>LS16 ZH1 A2+2</b>	1	0,27
			2	1	<b>LS25 ZH1 A2+2</b>	1	0,27
			2	1	<b>LS32 ZH1 A2+2</b>	1	0,27
			-	1	<b>LS38 ZH1 A2+2</b>	1	0,27
			2	2	<b>LS16 ZH1 A4</b>	1	0,24
			2	2	<b>LS25 ZH1 A4</b>	1	0,24
			2	2	<b>LS32 ZH1 A4</b>	1	0,24
			2	2	<b>LS38 ZH1 A4</b>	1	0,24
			4	1	<b>LS16 ZH1 A4B</b>	1	0,25
			4	1	<b>LS25 ZH1 A4B</b>	1	0,25
			4	1	<b>LS32 ZH1 A4B</b>	1	0,25
			4	1	<b>LS38 ZH1 A4B</b>	1	0,25
			4	1	<b>LS16 ZH1 A4O</b>	1	0,25
			4	1	<b>LS25 ZH1 A4O</b>	1	0,25
			4	1	<b>LS32 ZH1 A4O</b>	1	0,25
			4	1	<b>LS38 ZH1 A4O</b>	1	0,25
		4	1	<b>LS16 ZH1 A4U</b>	1	0,25	
		4	1	<b>LS25 ZH1 A4U</b>	1	0,25	
		4	1	<b>LS32 ZH1 A4U</b>	1	0,25	
		4	1	<b>LS38 ZH1 A4U</b>	1	0,25	
			2	3	<b>LS16 ZH1 A6</b>	1	0,39
			2	3	<b>LS25 ZH1 A6</b>	1	0,39
			2	3	<b>LS32 ZH1 A6</b>	1	0,39
			2	3	<b>LS38 ZH1 A6</b>	1	0,39
			2	4	<b>LS16 ZH1 A8</b>	1	0,44
			2	4	<b>LS25 ZH1 A8</b>	1	0,44
			2	4	<b>LS32 ZH1 A8</b>	1	0,44
			2	4	<b>LS38 ZH1 A8</b>	1	0,44
			4	1	<b>LS16 ZH1 A4+2</b>	1	0,49
			4	1	<b>LS25 ZH1 A4+2</b>	1	0,49
			4	1	<b>LS32 ZH1 A4+2</b>	1	0,49
			-	1	<b>LS38 ZH1 A4+2</b>	1	0,49

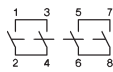
# Hauptschalter, Zentralbefestigung Ø22mm, ohne Schild, Schutzart IP66,

bei Type „ZH1“ durch „ZOH1“ ersetzen **LS.. ZOH1 A.**

# Hauptschalter, Bodenmontage, Türkupplung für Zentralbefestigung, Schild 64<sup>3</sup>, Schutzart IP66, Type 4X

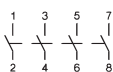


DC21B / DC-PV1		Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
600V DC	1000V DC					
16A	10A	2	1	<b>LS16 VZVH4 A2</b>	1	0,23
25A	11,5A	2	1	<b>LS25 VZVH4 A2</b>	1	0,23
32A	13A	2	1	<b>LS32 VZVH4 A2</b>	1	0,23
45A	20A	2	1	<b>LS38 VZVH4 A2</b>	1	0,23
48A	29A	2	1	<b>LS40 VZVH4 A2</b>	1	0,51
55A	36A	2	1	<b>LS55 VZVH4 A2</b>	1	0,51



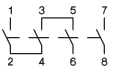
29A	10A	2	1	<b>LS16 VZVH4 A2+2</b>	1	0,28
36A	11,5A	2	1	<b>LS25 VZVH4 A2+2</b>	1	0,28
55A	13A	2	1	<b>LS32 VZVH4 A2+2</b>	1	0,28
-	20A	2	1	<b>LS38 VZVH4 A2+2</b>	1	0,28
68A	29A	2	1	<b>LS40 VZVH4 A2+2</b>	1	0,65
85A	36A	2	1	<b>LS55 VZVH4 A2+2</b>	1	0,65

Einbautiefe einstellbar

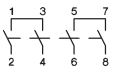


16A	10A	2	2	<b>LS16 VZVH4 A4</b>	1	0,26
25A	11,5A	2	2	<b>LS25 VZVH4 A4</b>	1	0,26
32A	13A	2	2	<b>LS32 VZVH4 A4</b>	1	0,26
45A	20A	2	2	<b>LS38 VZVH4 A4</b>	1	0,26
48A	29A	2	2	<b>LS40 VZVH4 A4</b>	1	0,58
55A	36A	2	2	<b>LS55 VZVH4 A4</b>	1	0,58

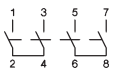
Sperrvorrichtung SV4



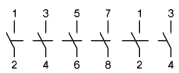
16A	16A	4	1	<b>LS16 VZVH4 A4B</b>	1	0,27
25A	25A	4	1	<b>LS25 VZVH4 A4B</b>	1	0,27
32A	32A	4	1	<b>LS32 VZVH4 A4B</b>	1	0,27
45A	-	4	1	<b>LS38 VZVH4 A4B</b>	1	0,27
48A	40A	4	1	<b>LS40 VZVH4 A4B</b>	1	0,62
55A	55A	4	1	<b>LS55 VZVH4 A4B</b>	1	0,62



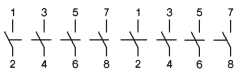
16A	16A	4	1	<b>LS16 VZVH4 A4O</b>	1	0,27
25A	25A	4	1	<b>LS25 VZVH4 A4O</b>	1	0,27
32A	32A	4	1	<b>LS32 VZVH4 A4O</b>	1	0,27
45A	-	4	1	<b>LS38 VZVH4 A4O</b>	1	0,27
48A	40A	4	1	<b>LS40 VZVH4 A4O</b>	1	0,62
55A	55A	4	1	<b>LS55 VZVH4 A4O</b>	1	0,62



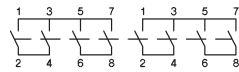
16A	16A	4	1	<b>LS16 VZVH4 A4U</b>	1	0,27
25A	25A	4	1	<b>LS25 VZVH4 A4U</b>	1	0,27
32A	32A	4	1	<b>LS32 VZVH4 A4U</b>	1	0,27
45A	-	4	1	<b>LS38 VZVH4 A4U</b>	1	0,27
48A	40A	4	1	<b>LS40 VZVH4 A4U</b>	1	0,62
55A	55A	4	1	<b>LS55 VZVH4 A4U</b>	1	0,62



16A	10A	2	3	<b>LS16 VZVH4 A6</b>	1	0,39
25A	11,5A	2	3	<b>LS25 VZVH4 A6</b>	1	0,39
32A	13A	2	3	<b>LS32 VZVH4 A6</b>	1	0,39
45A	20A	2	3	<b>LS38 VZVH4 A6</b>	1	0,39
48A	29A	2	3	<b>LS40 VZVH4 A6</b>	1	1,00
55A	36A	2	3	<b>LS55 VZVH4 A6</b>	1	1,00






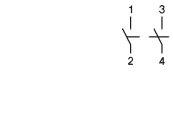
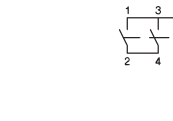


16A	10A	2	4	<b>LS16 VZVH4 A8</b>	1	0,44
25A	11,5A	2	4	<b>LS25 VZVH4 A8</b>	1	0,44
32A	13A	2	4	<b>LS32 VZVH4 A8</b>	1	0,44
45A	20A	2	4	<b>LS38 VZVH4 A8</b>	1	0,44
48A	29A	2	4	<b>LS40 VZVH4 A8</b>	1	1,11
55A	36A	2	4	<b>LS55 VZVH4 A8</b>	1	1,11



29A	29A	4	1	<b>LS16 VZVH4 A4+2</b>	1	0,49
45A	45A	4	1	<b>LS25 VZVH4 A4+2</b>	1	0,49
58A	58A	4	1	<b>LS32 VZVH4 A4+2</b>	1	0,49
-	-	4	1	<b>LS38 VZVH4 A4+2</b>	1	0,49
72A	72A	4	1	<b>LS40 VZVH4 A4+2</b>	1	1,22
85A	85A	4	1	<b>LS55 VZVH4 A4+2</b>	1	1,22

# Hauptschalter, Reiheneinbau, versperrbar, Schutzart IP40, Open Type

	DC21B / DC-PV1		Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
	600V DC	1000V DC					
							
Sperrvorrichtung SV1 							
							
							
							
							
							

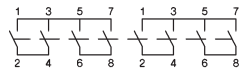
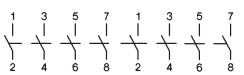
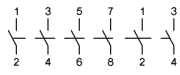
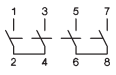
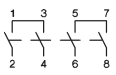
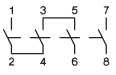
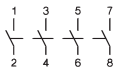
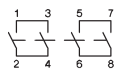
## 1) Hauptschalter, Reiheneinbau mit niedrigem Griff, versperrbar, Schutzart IP40, Open Type

Typ mit Typenzusatz „+SV1N“ z.B.: **LS.. SMAH1 A2+2 +SV1N**

# Hauptschalter, isolierstoffgekapselt, Schild 64<sup>r</sup>, Schutzart IP66/67, Type 4X



Sperrvorrichtung SV4



DC21B / DC-PV1 600V DC 1000V DC	Anzahl Pole in Serie	Anzahl Strings	Typ	VPE Stk.	Gewicht kg/Stk.
16A 10A	2	1	LS16 PFLH4 A2 <sup>1)</sup>	1	0,43
25A 11,5A	2	1	LS25 PFLH4 A2 <sup>1)</sup>	1	0,43
32A 13A	2	1	LS32 PFLH4 A2 <sup>1)</sup>	1	0,43
45A 20A	2	1	LS38 PFLH4 A2 <sup>1)</sup>	1	0,43
48A 29A	2	1	LS40 PFLH4 A2	1	1,59
55A 36A	2	1	LS55 PFLH4 A2	1	1,59
29A 10A	2	1	LS16 PFLH4 A2+2 <sup>1)</sup>	1	0,49
36A 11,5A	2	1	LS25 PFLH4 A2+2 <sup>1)</sup>	1	0,49
55A 13A	2	1	LS32 PFLH4 A2+2 <sup>1)</sup>	1	0,49
- 20A	2	1	LS38 PFLH4 A2+2 <sup>1)</sup>	1	0,49
68A 29A	2	1	LS40 PFLH4 A2+2	1	1,74
85A 36A	2	1	LS55 PFLH4 A2+2	1	1,74
16A 10A	2	2	LS16 PFLH4 A4 <sup>1)</sup>	1	0,46
25A 11,5A	2	2	LS25 PFLH4 A4 <sup>1)</sup>	1	0,46
32A 13A	2	2	LS32 PFLH4 A4 <sup>1)</sup>	1	0,46
45A 20A	2	2	LS38 PFLH4 A4 <sup>1)</sup>	1	0,46
48A 29A	2	2	LS40 PFLH4 A4	1	1,67
55A 36A	2	2	LS55 PFLH4 A4	1	1,67
16A 16A	4	1	LS16 PFLH4 A4B <sup>1)</sup>	1	0,47
25A 25A	4	1	LS25 PFLH4 A4B <sup>1)</sup>	1	0,47
32A 32A	4	1	LS32 PFLH4 A4B <sup>1)</sup>	1	0,47
45A -	4	1	LS38 PFLH4 A4B <sup>1)</sup>	1	0,47
48A 40A	4	1	LS40 PFLH4 A4B	1	1,70
55A 55A	4	1	LS55 PFLH4 A4B	1	1,70
16A 16A	4	1	LS16 PFLH4 A4O <sup>1)</sup>	1	0,47
25A 25A	4	1	LS25 PFLH4 A4O <sup>1)</sup>	1	0,47
32A 32A	4	1	LS32 PFLH4 A4O <sup>1)</sup>	1	0,47
45A -	4	1	LS38 PFLH4 A4O <sup>1)</sup>	1	0,47
48A 40A	4	1	LS40 PFLH4 A4O	1	1,70
55A 55A	4	1	LS55 PFLH4 A4O	1	1,70
16A 16A	4	1	LS16 PFLH4 A4U <sup>1)</sup>	1	0,47
25A 25A	4	1	LS25 PFLH4 A4U <sup>1)</sup>	1	0,47
32A 32A	4	1	LS32 PFLH4 A4U <sup>1)</sup>	1	0,47
45A -	4	1	LS38 PFLH4 A4U <sup>1)</sup>	1	0,47
48A 40A	4	1	LS40 PFLH4 A4U	1	1,70
55A 55A	4	1	LS55 PFLH4 A4U	1	1,70
16A 10A	2	3	LS16 PFLH4 A6	1	1,53
25A 11,5A	2	3	LS25 PFLH4 A6	1	1,53
32A 13A	2	3	LS32 PFLH4 A6	1	1,53
45A 20A	2	3	LS38 PFLH4 A6	1	1,53
48A 29A	2	3	LS40 PFLH4 A6	1	1,87
55A 36A	2	3	LS55 PFLH4 A6	1	1,87
16A 10A	2	4	LS16 PFLH4 A8	1	1,58
25A 11,5A	2	4	LS25 PFLH4 A8	1	1,58
32A 13A	2	4	LS32 PFLH4 A8	1	1,58
45A 20A	2	4	LS38 PFLH4 A8	1	1,58
48A 29A	2	4	LS40 PFLH4 A8	1	1,94
55A 36A	2	4	LS55 PFLH4 A8	1	1,94
29A 29A	4	1	LS16 PFLH4 A4+2	1	1,63
45A 45A	4	1	LS25 PFLH4 A4+2	1	1,63
58A 58A	4	1	LS32 PFLH4 A4+2	1	1,63
- -	4	1	LS38 PFLH4 A4+2	1	1,63
72A 72A	4	1	LS40 PFLH4 A4+2	1	2,07
85A 85A	4	1	LS55 PFLH4 A4+2	1	2,07

# Technische Daten

Stromart	Gebrauchskategorie		Typische Anwendungsfälle	Prüfungsbedingungen für Elektrische Lebensdauer (Normale Beanspruchung)						Prüfungsbedingungen für Ein- und Ausschaltvermögen (Beanspruchung im Störungfall)					
				Einschalten		Ausschalten		L/R		Einschalten		Ausschalten		L/R	
	I/Ie	U/Ue	L/R	I/Ie	U/Ue	L/R	I/Ie	U/Ue	L/R	I/Ie	U/Ue	L/R	I/Ie	U/Ue	L/R
Gleichstrom	<b>DC21A</b> häufige Betätigung	<b>DC21B</b> gelegentl. Betätigung	Schalten von ohmscher Last einschließlich geringer Überlast.	1	1	1ms	1	1	1ms	1,5	1,05	1ms	1,5	1,05	1ms
	<b>DC22A</b> häufige Betätigung	<b>DC22B</b> gelegentl. Betätigung	Schalten von gemischter ohmscher und induktiver Last einschließl. geringer Überlast.	1	1	2ms	1	1	2ms	4	1,05	2,5ms	4	1,05	2,5ms
	<b>DC-PV1</b>		Schalten eines einzelnen PV String(s) ohne Rück- und Überströme.	1	1	1ms	1	1	1ms	1,5	1,05	1ms	1,5	1,05	1ms
	<b>DC-PV2</b>		Schalten von mehreren PV Strings mit Rück- und Überströmen.	1	1	1ms	1	1	1ms	4	1,05	1ms	4	1,05	1ms

## Daten nach IEC 60947-3, VDE 0660, GB/T14048.3 (CCC China)




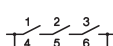
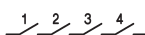
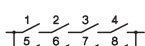
Hauptkontakte		Typ	LS16	LS25	LS32	LS38	LS40	LS55		
Thermischer Bemessungsbetriebsstrom I <sub>th</sub>		A	16	25	32	45	48	55		
Bemessungsisolationsspannung U <sub>i</sub> <sup>1)</sup>		V	1000	1000	1000	1000	1500	1500		
Bemessungsisolationsspannung U <sub>i</sub> <sup>2)</sup>		V	1500	1500	1500	1500	1500	1500		
Kontaktabstand (pro Pol)		mm	8	8	8	8	8	8		
<b>DC21A und DC21B</b>	1 Pol	300V A	16	23	27	27	40	55		
		400V A	12/14	14/22	16/25	16/25	30/33	40/44		
		500V A	9/10	11/17	13/20	13/20	19/24	25/32		
		600V A	6/7	8/12	10/15	10/15	15/19	20/25		
		700V A	4,5/5	6/5	7,5	7,5	10/12	15/18		
		800V A	3	4	5	5	8/10	10/13		
		900V A	2,5/3	3	4	4	6/8	8/10		
		1000V A	1,5/2	2	2,5/3	2,5/3	4/5	6/8		
		<b>nur DC21B</b>	2 Pole in Serie A2	500V A	16	25	32	-/45	48	55
				600V A	16	25	32	-/45	48	55
700V A	16			23/25	27/32	-/36	35/37	55		
800V A	16/16			20	-/23	-/30	35	45/55		
900V A	13/16			16/17	-/20	-/25	25/31	35/43		
1000V A	9/10			11/11,5	13	-/20	25/29	-/36		
1200V A	6/7			8/8,5	10	10	10/11	15/17		
1500V A	3			4/5	5/6	-/6	6/8	7,5/10		
2 Pole in Serie + 2 Pole parallel A2+2	500V A			29	45	58	-/65	72	85	
	600V A			29	45	50/55		64/68	80/85	
	700V A	16/22	23/27	27/32		35/49	55/77			
	800V A	16/17	20	-/23	-/30	35/42	45/63			
	900V A	13/16	16/17	-/20		25/31	35/43			
	1000V A	9/10	11/11,5	13	-/20	23/29	25/36			
	1200V A	6/7	8/8,5	10		10/11	15/17			
	1500V A	3	4/5	5/6	-/6	6/8	7,5/10			
	3 Pole in Serie + 2 Pole parallel A3+2	500V A	29	45	58		72	85		
		600V A	29	45	50/58		72	85		
700V A		29	38/43	45/55		72	85			
800V A		29	38/40	-/51		68	85			
900V A		29	-/38	-/47		62	78			
1000V A		29	-/38	-/45		58	70			
1200V A		12	14/25	16/28						
1500V A		9	11/14	13/20						
4 Pole in Serie A4		500V A	16	25	32	-/45	48	55		
		600V A	16	25	32	-/45	48	55		
	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	-/38	40	55			
	1200V A	16	25	32		40	55			
	1500V A	16	20/25	23/32	-/32	30/40	40/55			
	4 Pole in Serie + 2 Pole parallel A4+2	500V A	29	45	58	-/65	72	85		
		600V A	29	45	58		72	85		
700V A		29	45	-/58		72	85			
800V A		29	45	-/58		72	85			
900V A		29	45	-/58		72	85			
1000V A		29	-/45	-/58	-/65	-/72	-/85			
1200V A		29	-/45	50	-/50	-/56	-/65			
1500V A		16	20/26	23/32	-/32	-/42	-/55			
<b>Bemessungsbetriebsstrom I<sub>e</sub></b>										
<b>AC21B</b>		A2, A4	U <sub>e</sub> max. 440V	A	16	25	32	45	48	55
	A2+2	U <sub>e</sub> max. 440V	A	29	45	58		72	85	

1) Gilt für: Überspannungskategorie I bis III, Verschmutzungsgrad 3 (Norm-Industrie): U<sub>imp</sub> = 8kV.

2) Gilt für: Überspannungskategorie I bis III, Verschmutzungsgrad 2 (min. IP55): U<sub>imp</sub> = 8kV.




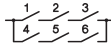
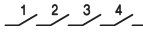
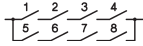
# Technische Daten

Daten nach IEC 60947-3, VDE 0660

Hauptkontakte	Typ		LS16	LS25	LS32	LS38	LS40	LS55
<b>Bemessungsbetriebsstrom I<sub>e</sub></b>	300V	A	16	23	27	27	40	55
<b>DC-PV1</b>	400V	A	14	22	25	25	33	44
1 Pol	500V	A	10	17	20	20	24	32
A1	600V	A	7	12	15	15	19	25
	700V	A	5	6	7,5	7,5	12	18
	800V	A	3	4	5	5	10	13
	900V	A	3	3	4	4	8	10
	1000V	A	2	2	3	3	5	8
2 Pole in Serie	500V	A	16	25	32	45	48	55
A2	600V	A	16	25	32	45	48	55
	700V	A	16	25	32	36	37	55
	800V	A	16	20	23	30	35	55
	900V	A	16	17	20	25	31	43
	1000V	A	10	11,5	13	20	29	36
	1100V	A	8	10	11,5	-	19	25
	1200V	A	7	8,5	10	10	11	17
	1300V	A	6	7	8	-	10	14
	1400V	A	5	6	7	-	9	12
	1500V	A	3	5	6	6	8	10
2 Pole in Serie + 2 Pole parallel	500V	A	29	45	58	65	72	85
A2+2	600V	A	29	45	55	58	68	85
	700V	A	22	27	32	36	49	77
	800V	A	17	20	23	30	42	63
	900V	A	16	17	20	25	31	43
	1000V	A	10	11,5	13	20	29	36
	1100V	A	8	10	11,5	-	19	25
	1200V	A	7	8,5	10	10	11	17
	1300V	A	6	7	8	-	10	14
	1400V	A	5	6	7	-	9	12
	1500V	A	3	5	6	6	8	10
3 Pole in Serie + 2 Pole parallel	500V	A	29	45	58	-	72	85
A3+2	600V	A	29	45	58	-	72	85
	700V	A	29	43	55	-	72	85
	800V	A	29	40	51	-	68	85
	900V	A	29	38	47	-	62	78
	1000V	A	29	38	45	-	58	70
	1100V	A	19	27	37	-	-	-
	1200V	A	17	25	28	-	-	-
	1300V	A	15	21	25	-	-	-
	1400V	A	12	18	22	-	-	-
	1500V	A	10	14	20	-	-	-
4 Pole in Serie	500V	A	16	25	32	45	48	55
A4	600V	A	16	25	32	45	48	55
	700V	A	16	25	32	45	40	55
	800V	A	16	25	32	45	40	55
	900V	A	16	25	32	45	40	55
	1000V	A	16	25	32	38	40	55
	1100V	A	16	25	32	-	40	55
	1200V	A	16	25	32	32	40	55
	1300V	A	16	25	32	-	40	55
	1400V	A	16	25	32	-	40	55
	1500V	A	16	25	32	32	40	55
4 Pole in Serie + 2 Pole parallel	500V	A	29	45	58	65	72	85
A4+2	600V	A	29	45	58	65	72	85
	700V	A	29	45	58	65	72	85
	800V	A	29	45	58	65	72	85
	900V	A	29	45	58	65	72	85
	1000V	A	29	45	58	65	72	85
	1100V	A	29	45	54	-	60	68
	1200V	A	29	45	50	50	56	65
	1300V	A	26	39	44	-	50	61
	1400V	A	23	33	38	-	46	-
	1500V	A	20	26	32	32	42	55

# Technische Daten

Daten nach IEC 60947-3, VDE 0660

Hauptkontakte	Typ	LS16	LS25	LS32	LS38	LS40	LS55	
<b>Bemessungsbetriebsstrom I<sub>e</sub></b> <b>DC-PV2</b>	300V A	16	23	27	27	40	55	
	400V A	14	18	20	20	30	40	
	1 Pol A1 	500V A	10	12	14	14	19	25
		600V A	5	6	8	8	10	13
	700V A	1,5	2	3	3	7	10	
	800V A	1,5	2	3	3	6	8	
	900V A	1	1,5	2	2	5	6	
	1000V A	1	1,5	2	2	3	4	
	2 Pole in Serie A2 	500V A	16	25	32	38	40	55
		600V A	14	21	27	31	40	55
700V A		13	19	22	25	35	55	
800V A		12	15	17	19	33	49	
900V A		8	10	12	14	25	35	
1000V A		4	5	6	7	16	20	
1100V A		3	4	5	-	11	15	
1200V A		2	3	4	4	8	12	
1300V A		1,5	2	3	-	7	10	
1400V A		1	2	3	-	7	9	
1500V A		1	1,5	2	2	6	8	
2 Pole in Serie + 2 Pole parallel A2+2 		500V A	25	39	50	58	72	85
		600V A	20	32	35	38	60	75
	700V A	13	19	22	25	38	60	
	800V A	12	15	17	19	33	49	
	900V A	8	10	12	14	25	35	
	1000V A	4	5	6	7	16	20	
	1100V A	3	4	5	-	11	15	
	1200V A	2	3	4	4	8	12	
	1300V A	1,5	2	3	-	7	10	
	1400V A	1	2	3	-	7	9	
	1500V A	1	1,5	2	2	6	8	
	3 Pole in Serie + 2 Pole parallel A3+2 	500V A	24	45	58	65	72	85
		600V A	22	34	44	48	78	85
700V A		20	28	34	35	62	69	
800V A		18	24	29	31	53	61	
900V A		16	20	24	24	55	61	
1000V A		14	18	20	20	35	50	
1100V A		-	-	-	-	-	-	
1200V A		11	13	15	15	-	-	
1300V A		-	-	-	-	-	-	
1400V A		-	-	-	-	-	-	
1500V A	4	6	8	8	-	-		
4 Pole in Serie A4 	500V A	16	25	32	45	48	55	
	600V A	16	25	32	45	48	55	
	700V A	16	25	32	45	48	55	
	800V A	16	25	32	38	40	55	
	900V A	16	25	32	38	40	55	
	1000V A	16	25	32	38	40	55	
	1100V A	15	25	32	-	-	55	
	1200V A	13,5	21	27	27	40	55	
	1300V A	12	19	24	-	-	50	
	1400V A	10,5	16	21	-	-	45	
	1500V A	9	14	18	18	30	40	
	4 Pole in Serie + 2 Pole parallel A4+2 	500V A	29	45	58	65	72	85
		600V A	29	45	58	65	72	85
700V A		25	40	53	65	72	80	
800V A		21	35	45	60	67	75	
900V A		18	30	37	55	59	70	
1000V A		16	25	32	50	52	64	
1100V A		-	-	-	-	44	59	
1200V A		13,5	21	27	27	40	55	
1300V A		-	-	-	-	36	50	
1400V A		-	-	-	-	33	45	
1500V A		9	14	18	18	30	40	

Schütze, Motorstarter

Leistungsschalter

Motorschutzschalter

Schalter

AC-Hauptschalter

DC-Lasttrennschalter

Befehls- und Meldegeräte

Vertretungen, Bezugsquellen

# Technische Daten

Daten nach IEC 60947-3, VDE 0660




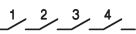
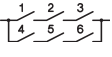
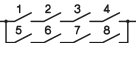


Hauptkontakte		Typ	LS16	LS25	LS32	LS38	LS40	LS55
<b>Bemessungsbetriebsstrom I<sub>e</sub></b> <b>DC22B</b>	1 Pol	500V A	1	1,25	1,5	x	x	2,5
	A1	600V A	0,5	0,75	1	x	x	2,0
	<u>1</u>	800V A	0,3	0,4	0,5	x	x	1,5
	2 Pole in Serie	1000V A	0,15	0,2	0,25	x	x	1,0
	A2	1200V A	-	-	-	x	x	x
	<u>1</u> <u>2</u>	1500V A	-	-	-	x	x	x
	2 Pole in Serie	500V A	7	8	9	x	x	x
	A2	600V A	5,5	6	6,5	x	x	x
	<u>1</u> <u>2</u>	800V A	2	2,5	3	x	x	x
	2 Pole in Serie	1000V A	1	1,5	2	x	x	x
	A2	1200V A	-	-	-	x	x	x
	<u>1</u> <u>2</u>	1500V A	-	-	-	x	x	x
	4 Pole in Serie	500V A	16	25	32	x	x	x
	A4	600V A	16	25	27,5	x	x	x
	<u>1</u> <u>2</u> <u>3</u> <u>4</u>	800V A	11,5	12	12,5	x	x	x
4 Pole in Serie	1000V A	8	9	10	x	x	x	
A4	1200V A	-	-	-	x	x	x	
<u>1</u> <u>2</u> <u>3</u> <u>4</u>	1500V A	-	-	-	x	x	x	
<b>Bedingter Bemessungskurzschlußstrom</b>	kA <sub>eff</sub>	5	5	5	5	10	10	
Maximale Vorsicherung	gL (gG)	A	40	63	80	80	125	160
Mechanische Lebensdauer	x10 <sup>3</sup>		10	10	10	10	10	10
Bemessungskurzzeitstromfestigkeit (1s)	I <sub>cw</sub> A2, A4, A6, A8 A2+2, A3+2, A4+2	A	800	900	1000	1000	A2, A4: 1200 A2+2: 2000	A2, A4: 1400 A2+2: 2400
Bemessungskurzschluß-einschaltvermögen	I <sub>cm</sub> A2, A4, A6, A8 A2+2, A3+2, A4+2	A	800	900	1000	1000	A2, A4: 1200 A2+2: 2000	A2, A4: 1400 A2+2: 2400
<b>Anschlußquerschnitte</b> (inkl. Verbinder)			LSV-B1	LSV-B1	LSV-B1	LSV-B1	LSV-B2	LSV-B2
ein- oder mehrdrähtig	mm <sup>2</sup>		4 - 16	4 - 16	4 - 16	4-16	2,5 - 25	2,5 - 25
feindrähtig	mm <sup>2</sup>		4 - 10	4 - 10	4 - 10	4-10	2,5 - 16	2,5 - 16
feindrähtig (+ Aderendhülse)	mm <sup>2</sup>		4 - 10	4 - 10	4 - 10	4-10	1,5 - 16	1,5 - 16
Klemmschraube	Nm		M4 Pz2	M4 Pz2	M4 Pz2	M4 Pz2	M5 Pz2	M5 Pz2
Anzugsdrehmoment			1,7 - 1,8	1,7 - 1,8	1,7 - 1,8	1,7 - 1,8	2,5 - 2,8	2,5 - 2,8
2 Leiter pro Klemme ohne Verbinder	mm <sup>2</sup>		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)	
ein- oder mehrdrähtig								
feindrähtig & feindrähtig + Aderendhülse	mm <sup>2</sup>		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)	
<b>Zulässige Umgebungstemperatur</b>								
Betrieb	offen	°C						-40 to +65
	gekapselt	°C						-40 to +45
Lagerung		°C						-50 to +90
<b>Verlustleistung</b> pro Schalter bei I <sub>e</sub> max.			A	A	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
<b>Kontaktwiderstand</b> pro Po	mΩ		1,75	1,75	1,75		1,25	1,25

x zur Approbation eingereicht








# Technische Daten

Daten nach UL508I  File E359344 Category np.: NMSJ, und UL508  File E332938, Category no.: NRNT2, NRNT8

Typ			LS16	LS25	LS32	LS38	LS40	LS55	
Ampere-Rating "General use" 1 Pol 	DC								
	350V	A	4	5	6	6	7,1	10,0	
	500V	A	4	5	6	6	5,7	7,0	
	600V	A	4	5	6	6	5,0	5,8	
	700V	A	-	-	-	-	3,9	5,0	
	800V	A	-	-	-	-	3,2	4,4	
	900V	A	-	-	-	-	2,5	3,5	
	1000V	A	-	-	-	-	1,5	2,0	
	2 Pole in Serie A2 	350V	A	16	25	32	38	40	55
		500V	A	16	25	32	38	40	55
600V		A	16	25	32	36	40	55	
700V		A	-	-	-	-	32	46	
800V		A	-	-	-	-	26	37	
900V		A	-	-	-	-	20	28	
1000V		A	-	-	-	-	16	20	
2 Pole in Serie + 2 Pole parallel A2+2 	350V	A	29	45	58	58	72	85	
	400V	A	-	-	-	-	67	79	
	500V	A	29	38	40	45	53	66	
	600V	A	21	27	32	36	42	55	
	700V	A	-	-	-	-	35	47	
	800V	A	-	-	-	-	30	40	
	900V	A	-	-	-	-	26	32	
	1000V	A	-	-	-	-	22	25	
4 Pole in Serie A4 	350V	A	16	25	32	38	40	55	
	500V	A	16	25	32	38	40	55	
	600V	A	16	25	32	36	40	55	
	700V	A	-	-	-	-	40	55	
	800V	A	-	-	-	-	40	55	
	900V	A	-	-	-	-	40	55	
3 Pole in Serie + 2 Pole parallel A3+2 	350V	A	29	45	58	58	72	85	
	500V	A	29	38	50	50	56	80	
	600V	A	21	38	45	45	52	65	
	700V	A	-	-	-	-	46	58	
	800V	A	-	-	-	-	40	51	
	900V	A	-	-	-	-	36	45	
	1000V	A	-	-	-	-	33	42	
4 Pole in Serie + 2 Pole parallel A4+2 	350V	A	29	45	58	58	80	85	
	500V	A	29	45	58	58	71	85	
	600V	A	29	45	50	50	65	85	
	700V	A	-	-	-	-	58	76	
	800V	A	-	-	-	-	51	71	
	900V	A	-	-	-	-	45	67	
	1000V	A	-	-	-	-	42	64	
AC-Rating "General use" 2 Pole in Serie  2 Pole in Serie + 2 Pole parallel  3 Pole parallel	600V	A	16	25	32	-	40	55	
	277V	A	-	-	50	-	72	85	
	3x480V	A	-	-	32	-	40	55	
Fuse size (RK5) Industrial Control Switch									
5kA / 600V	A	40	60	80	80	-	-	-	
5kA/1000V	A	-	-	-	-	160	160	-	
<b>Max. Anschlußquerschnitte</b> inkl. Verbinder LSV-B1 / LSV-B2									
eindrätig	AWG	12 - 10	12 - 10	12 - 10	12 - 10	16 - 10	16 - 10	16 - 10	
feindrätig + mehrdrätig	AWG	12 - 6	12 - 6	12 - 6	12 - 6	14 - 4	14 - 4	14 - 4	
feindrätig (+ Aderendhülse)	AWG	12 - 6	12 - 6	12 - 6	12 - 6	-	-	-	
Klemmschraube		M4 Pz2	M4 Pz2	M4 Pz2	M4 Pz2	M5 Pz2	M5 Pz2	M5 Pz2	
Anzugsdrehmoment	lb.inch	9-16	9 - 16	9 - 16	9 - 16	22 - 25	22 - 25	22 - 25	
Schutzart der Anschlußklemmen <sup>1)</sup>		IP20	IP20	IP20	IP20	IP20	IP20	IP20	

1) Schutzart der Anschlußklemmen mit angeschlossenen, isolierten Leitern.

## Approbationen

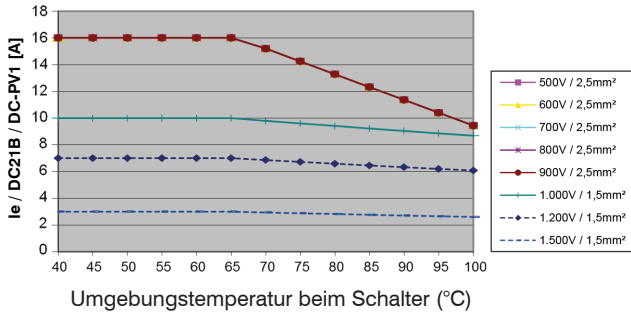
Land	USA, UL508I 	USA, Kanada UL508 	Europa 	China CCC 	CB- Zertifikate	EAC 
Type						
LS16	o	o	/	o	o	o
LS25	o	o	/	o	o	o
LS32	o	o	/	o	o	o
LS38	o	o	/	x	x	o
LS40	o	o	/	-	o	o
LS55	o	o	/	-	o	o

o In Normalausführung approbiert / Approbation nicht erforderlich CE x zur Approbation eingereicht - nicht zur Approbation vorgesehen

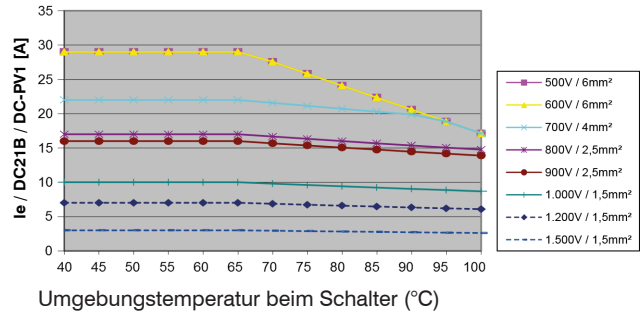
# Technische Daten

## Maximal zulässiger Strom, abhängig von Umgebungstemperatur und Anschlußquerschnitten

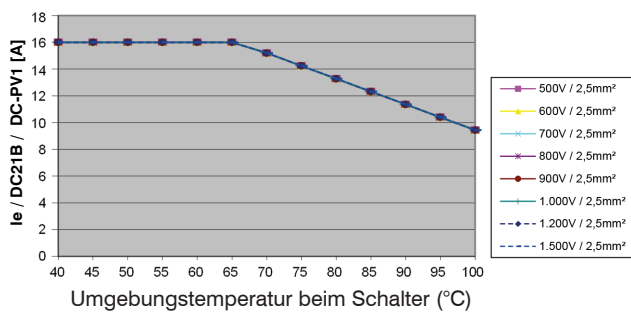
Schalter offen LS16..., 2 Kontakte in Serie (A2)



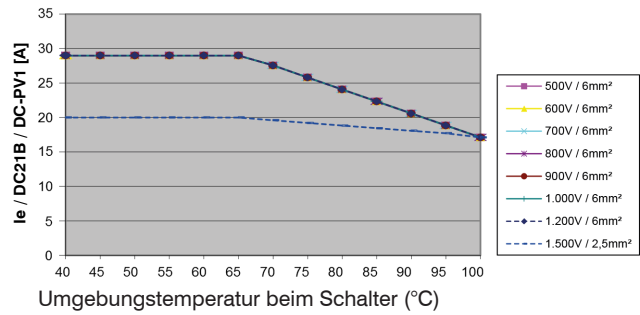
Schalter offen LS16 ..., 2 Kontakte in Serie + 2 parallel (A2+2)



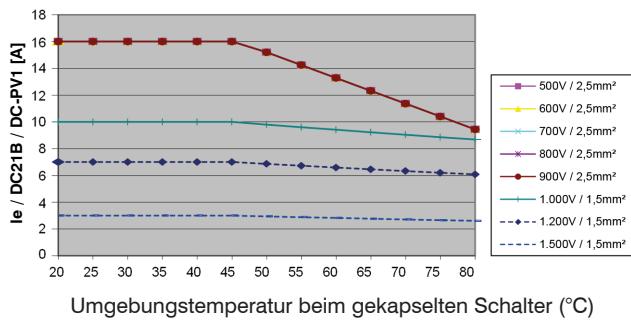
Schalter offen LS16..., 4 Kontakte in Serie (A4x)



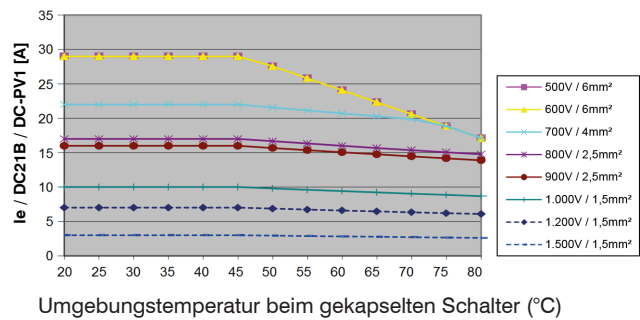
Schalter offen LS16..., 4 Kontakte in Serie + 2 parallel (A4+2)



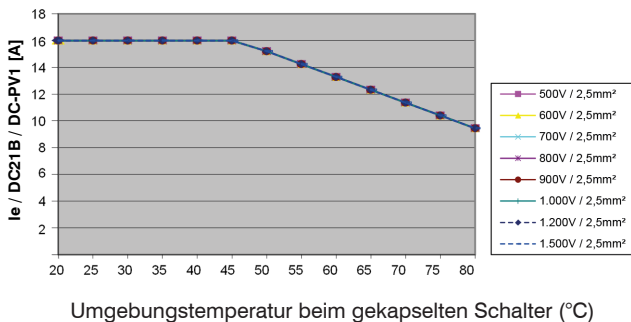
Schalter gekapselt LS16 PFL..., 2 Kontakte in Serie (A2)



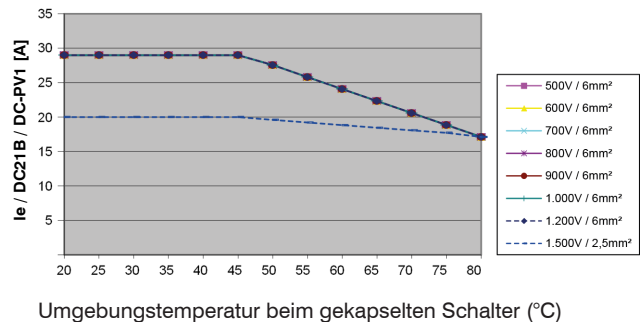
Schalter gekapselt LS16 PFL..., 2 Kontakte in Serie + 2 parallel (A2+2)



Schalter gekapselt LS16 PFL... 4 Kontakte in Serie (A4x)



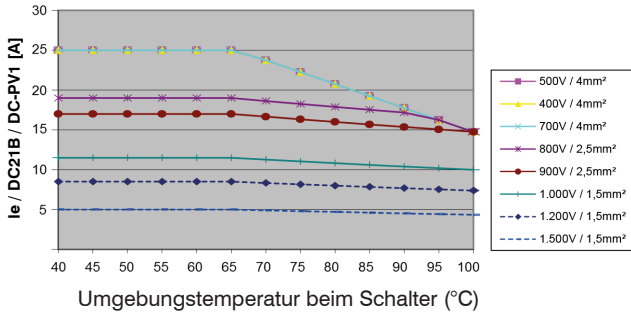
Schalter gekapselt LS16 PFL... 4 Kontakte in Serie + 2 parallel (A4+2)



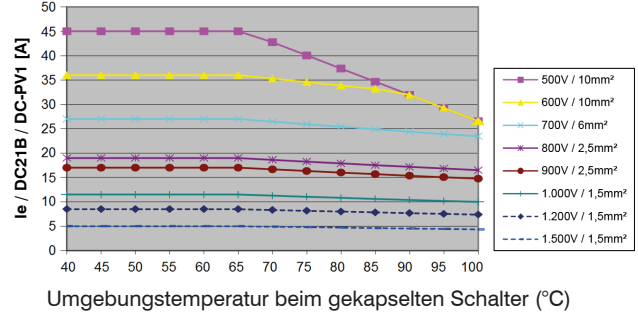
# Technische Daten

## Maximal zulässiger Strom, abhängig von Umgebungstemperatur und Anschlußquerschnitten

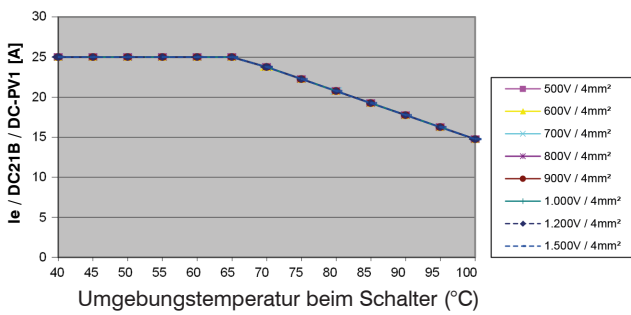
Schalter offen LS25..., 2 Kontakte in Serie (A2)



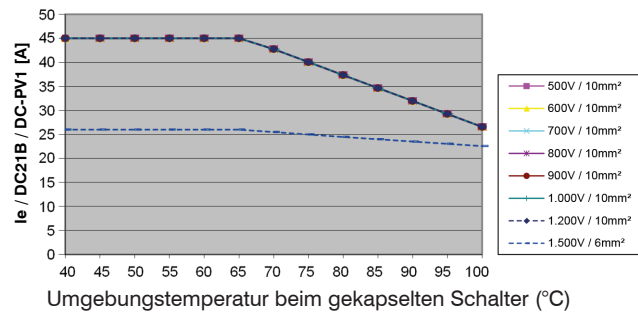
Schalter offen LS25 ..., 2 Kontakte in Serie + 2 parallel (A2+2)



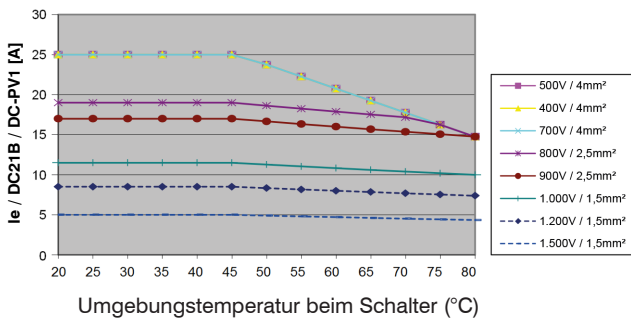
Schalter offen LS25..., 4 Kontakte in Serie (A4x)



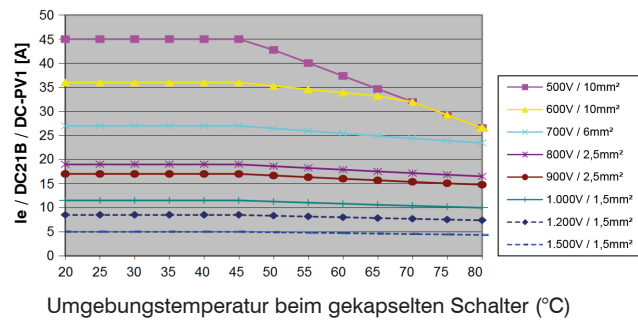
Schalter offen LS25..., 4 Kontakte in Serie + 2 parallel (A4+2)



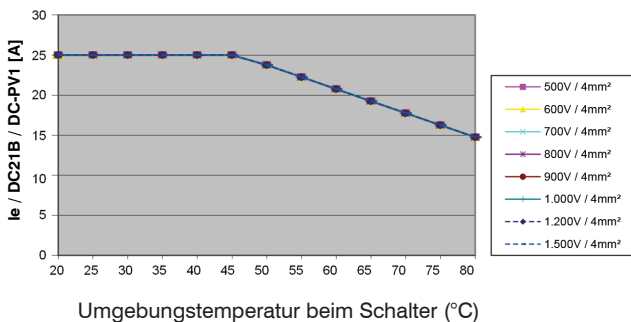
Schalter gekapselt LS25 PFL..., 2 Kontakte in Serie (A2)



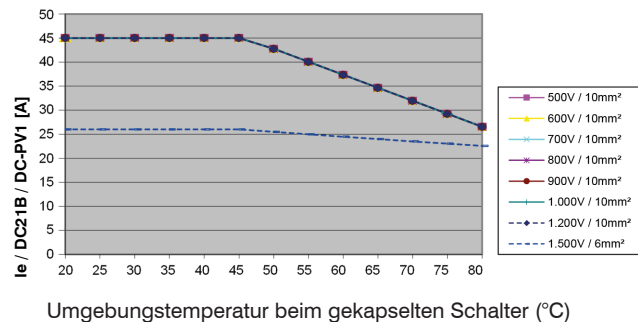
Schalter gekapselt LS25 PFL..., 2 Kontakte in Serie + 2 parallel (A2+2)



Schalter gekapselt LS25 PFL..., 4 Kontakte in Serie (A4x)



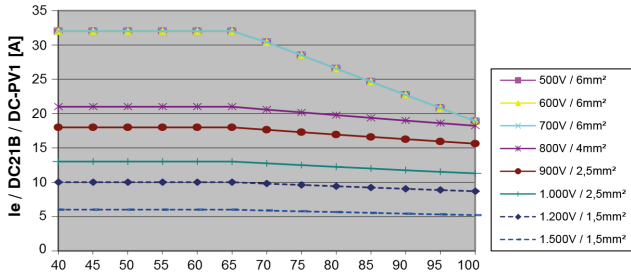
Schalter gekapselt LS25PFL..., 4 Kontakte in Serie + 2 parallel (A4+2)



# Technische Daten

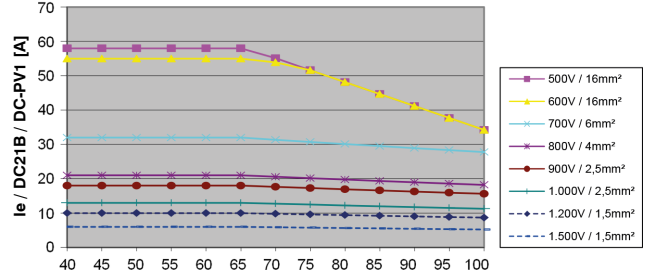
## Maximal zulässiger Strom, abhängig von Umgebungstemperatur und Anschlußquerschnitten

### Schalter offen LS32..., 2 Kontakte in Serie (A2)



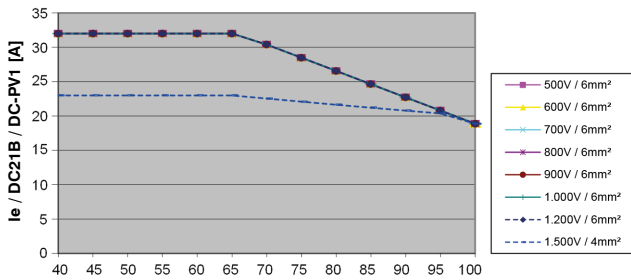
Umgebungstemperatur beim Schalter (°C)

### Schalter offen LS32 ..., 2 Kontakte in Serie + 2 parallel (A2+2)



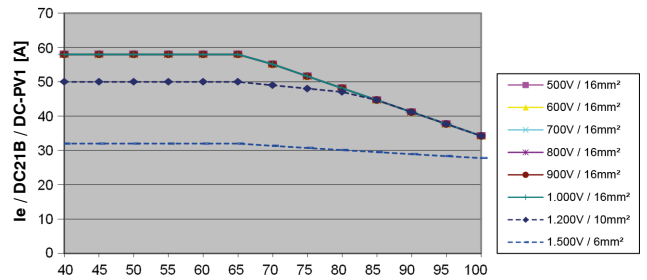
Umgebungstemperatur beim Schalter (°C)

### Schalter offen LS32..., 4 Kontakte in Serie (A4x)



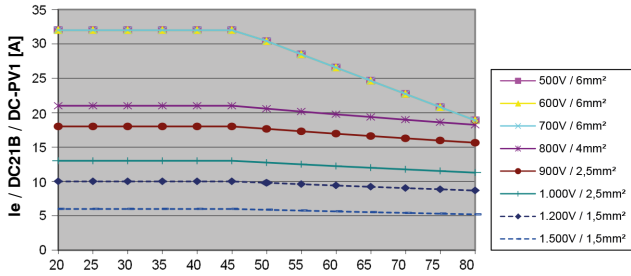
Umgebungstemperatur beim Schalter (°C)

### Schalter offen LS32..., 4 Kontakte in Serie + 2 parallel (A4+2)



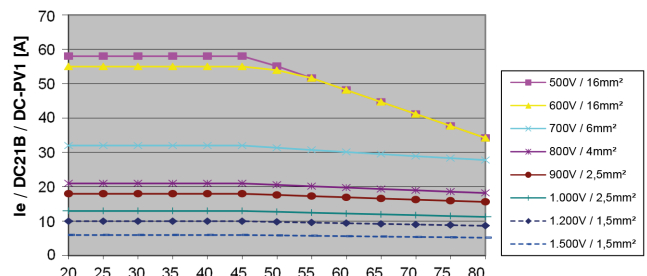
Umgebungstemperatur beim Schalter (°C)

### Schalter gekapselt LS32 PFL..., 2 Kontakte in Serie (A2)



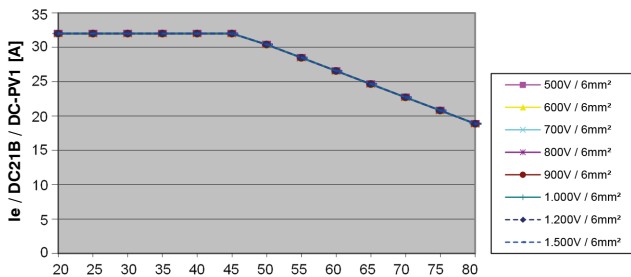
Umgebungstemperatur beim gekapselten Schalter (°C)

### Schalter gekapselt LS32 PFL..., 2 Kontakte in Serie + 2 parallel (A2+2)



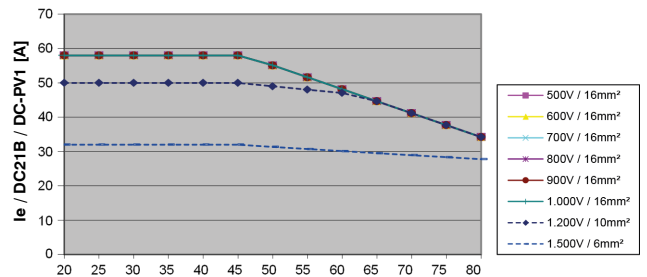
Umgebungstemperatur beim gekapselten Schalter (°C)

### Schalter gekapselt LS32 PFL..., 4 Kontakte in Serie (A4x)



Umgebungstemperatur beim gekapselten Schalter (°C)

### Schalter gekapselt LS32PFL..., 4 Kontakte in Serie + 2 parallel (A4+2)

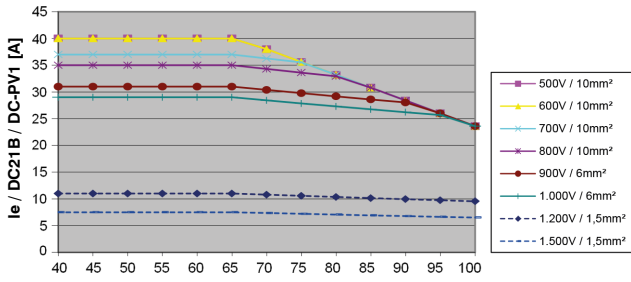


Umgebungstemperatur beim gekapselten Schalter (°C)

# Technische Daten

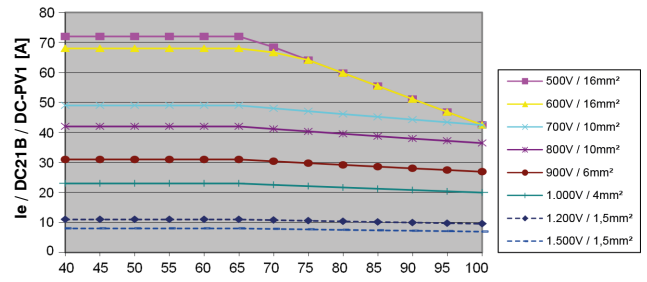
## Maximal zulässiger Strom, abhängig von Umgebungstemperatur und Anschlußquerschnitten

Schalter offen LS40..., 2 Kontakte in Serie (A2)



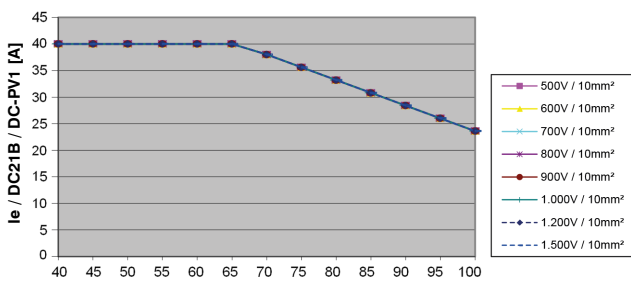
Umgebungstemperatur beim Schalter (°C)

Schalter offen LS40 ..., 2 Kontakte in Serie + 2 parallel (A2+2)



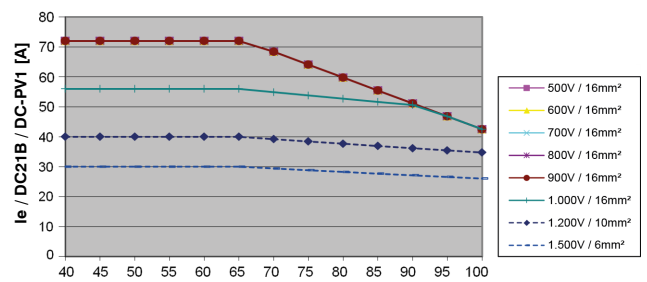
Umgebungstemperatur beim Schalter (°C)

Schalter offen LS40..., 4 Kontakte in Serie (A4x)



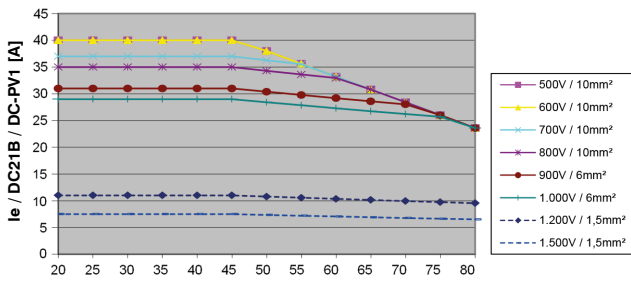
Umgebungstemperatur beim Schalter (°C)

Schalter offen LS32..., 4 Kontakte in Serie + 2 parallel (A4+2)



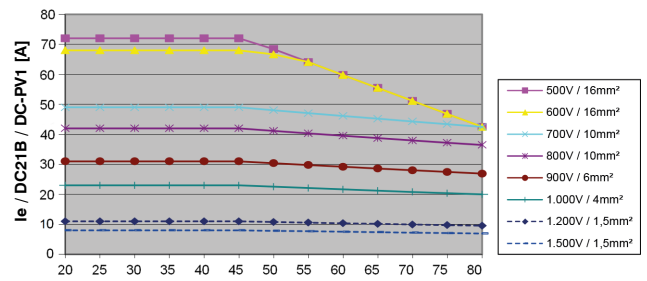
Umgebungstemperatur beim Schalter (°C)

Schalter gekapselt LS40 PFL..., 2 Kontakte in Serie (A2)



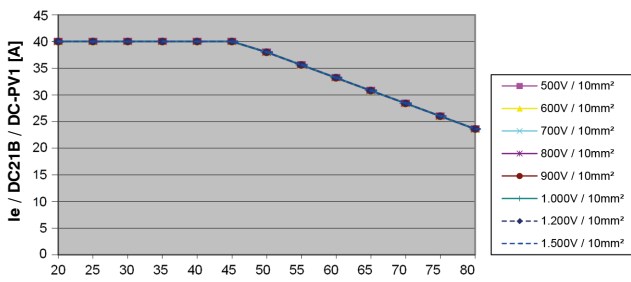
Umgebungstemperatur beim Schalter (°C)

Schalter gekapselt LS40 PFL..., 2 Kontakte in Serie + 2 parallel (A2+2)



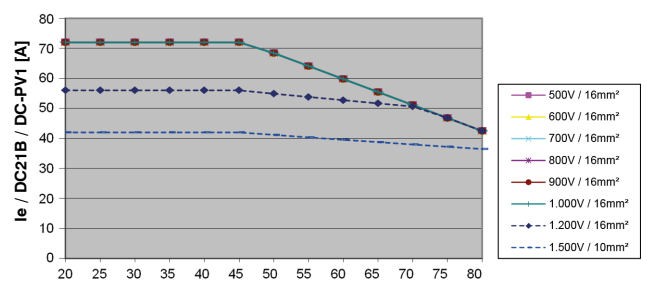
Umgebungstemperatur beim Schalter (°C)

Schalter gekapselt LS40 PFL..., 4 Kontakte in Serie (A4x)



Umgebungstemperatur beim Schalter (°C)

Schalter gekapselt LS40 PFL..., 4 Kontakte in Serie + 2 parallel (A4+2)

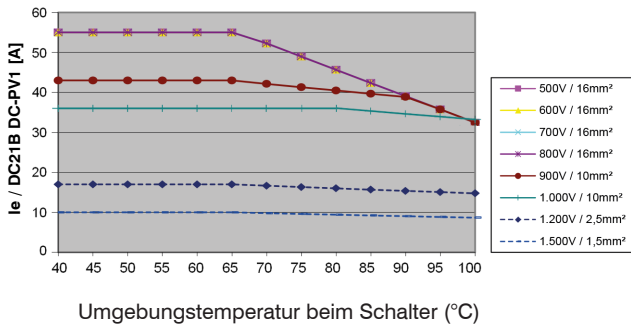


Umgebungstemperatur beim Schalter (°C)

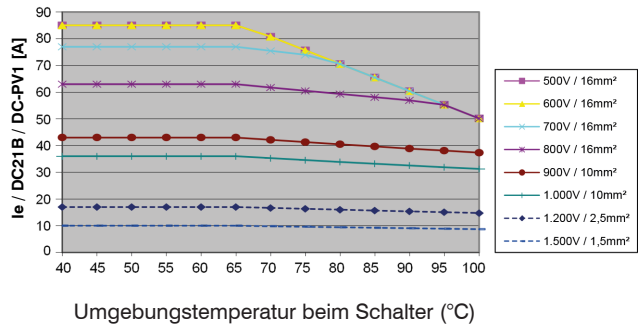
# Technische Daten

## Maximal zulässiger Strom, abhängig von Umgebungstemperatur und Anschlußquerschnitten

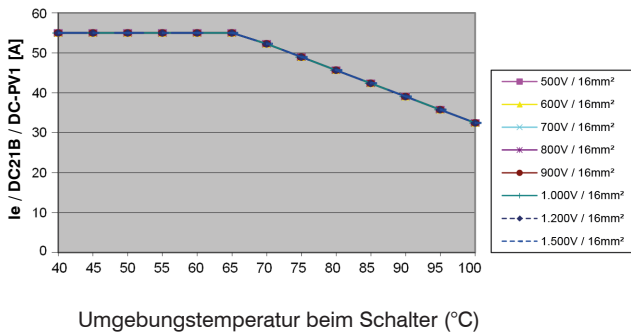
Schalter offen LS55..., 2 Kontakte in Serie (A2)



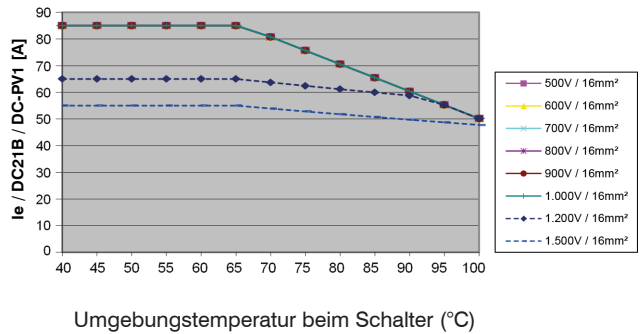
Schalter offen LS55 ..., 2 Kontakte in Serie + 2 parallel (A2+2)



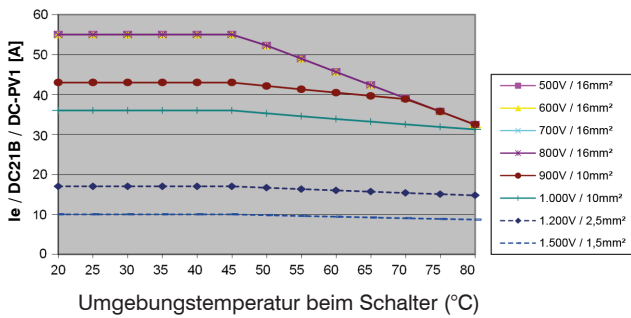
Schalter offen LS55..., 4 Kontakte in Serie (A4x)



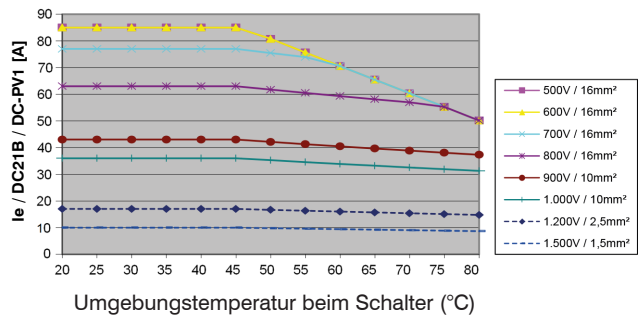
Schalter offen LS55 ..., 4 Kontakte in Serie + 2 parallel (A4+2)



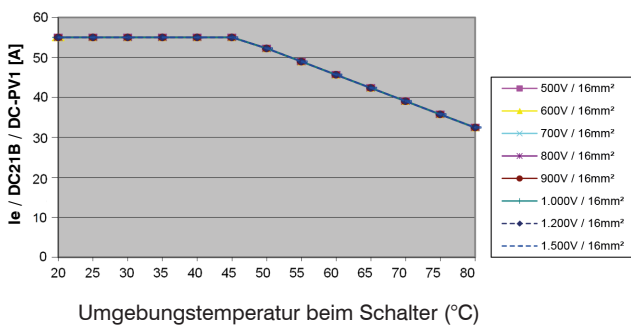
Schalter gekapselt LS55 PFL..., 2 Kontakte in Serie (A2)



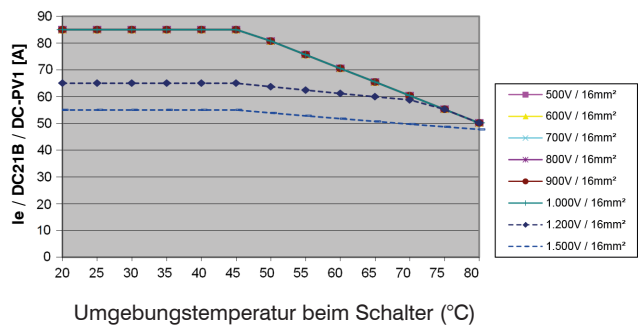
Schalter gekapselt LS55 PFL..., 2 Kontakte in Serie + 2 parallel (A2+2)



Schalter gekapselt LS55 PFL..., 4 Kontakte in Serie (A4x)

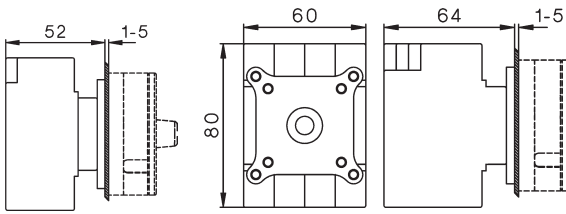


Schalter gekapselt LS55 PFL..., 4 Kontakte in Serie + 2 parallel (A4+2)

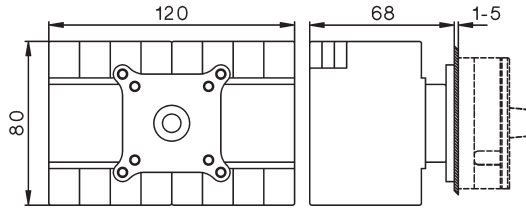


# Abmessungen

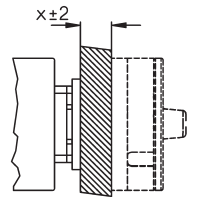
LS16 E., LS25 E., LS32 E., LS38E.,  
..A2 ..A2+2, ..A4



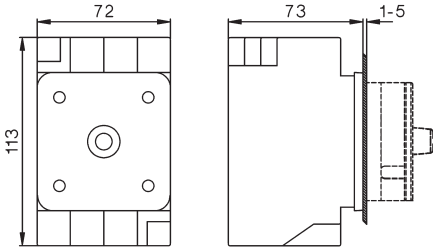
LS16 E., LS25 E., LS32 E., LS38E.,  
..A6, ..A8, ..A3+2, ..A4+2



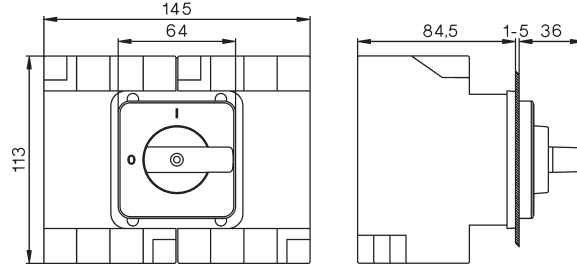
LS... +VW"x"  
Verlängerte Schalterwelle



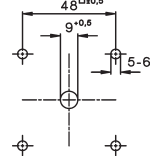
LS40 E., LS55 E..  
..A2, ..A2+2, ..A4



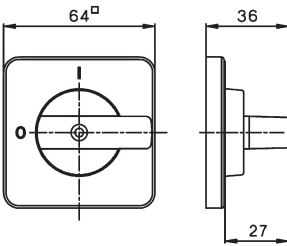
LS40 E., LS55 E..  
..A6, ..A8, ..A3+2, ..A4+2



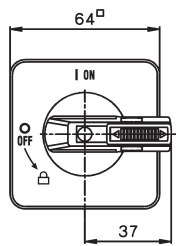
Bohrplan  
Montageschraube  
S3631N M=1,2-1,4 Nm



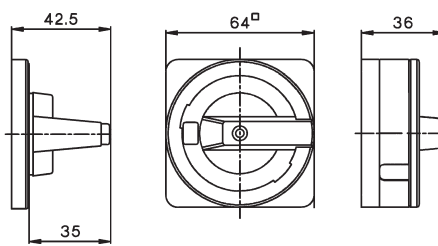
Schild 64<sup>r</sup>  
Griff



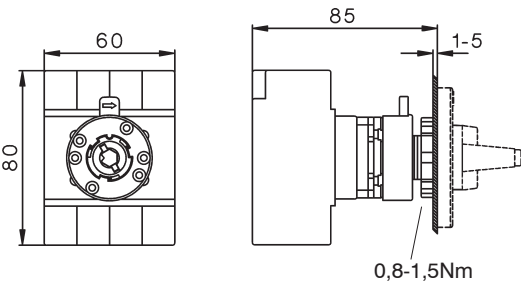
Sperrvorrichtung SV1



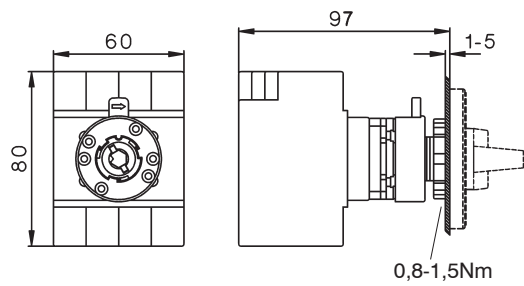
Sperrvorrichtung SV4



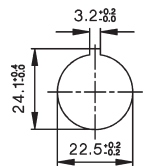
LS16 Z., LS25 Z., LS32 Z., LS38Z.,  
..A2



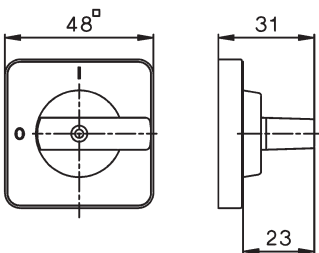
..A2+2, ..A4



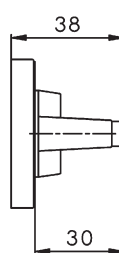
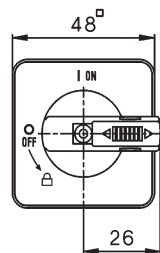
Bohrplan



Schild 48<sup>r</sup>  
Griff



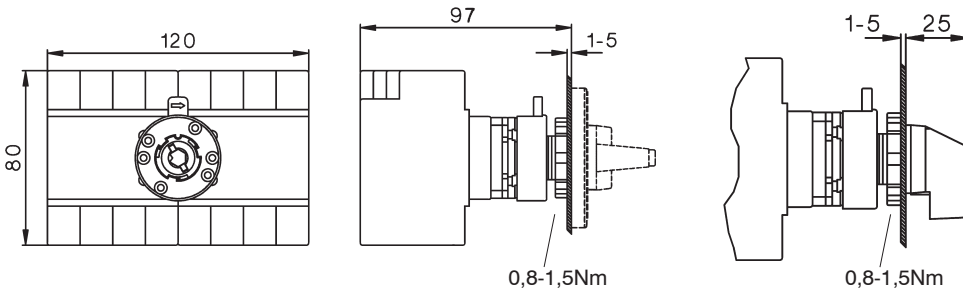
Sperrvorrichtung SV1



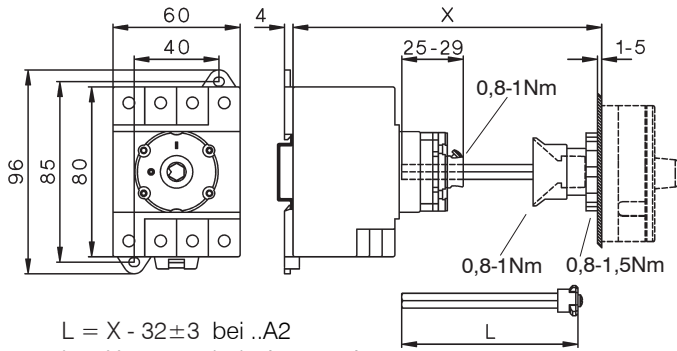
# Abmessungen

**LS16 Z.., LS25 Z.., LS32 Z.., LS38 Z..,  
..A6, ..A8, ..A3+2, ..A4+2**

**LS.. ZO..**



**LS16 VZV.., LS25 VZV.., LS32 VZV.., LS38 VZV..,  
..A2, ..A2+2, ..A4**



Lieferlänge bei: ..A2

$X_{max} = 182, L = 150$

( $X_{min} = 77$ )

Lieferlänge bei: ..A2+2, ..A4

$X_{max} = 194, L = 150$

( $X_{min} = 89$ )

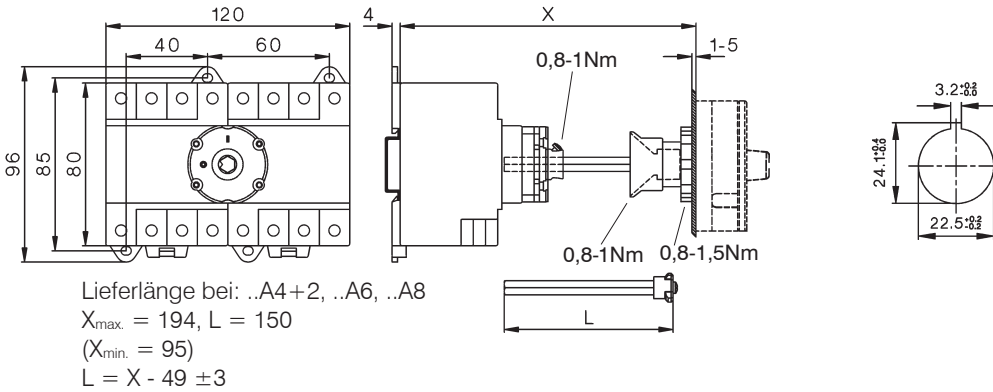
größere X-Maße auf Anfrage

$L = X - 32 \pm 3$  bei ..A2

$L = X - 44 \pm 3$  bei ..A2+2, ..A4.

**LS16 VZV.., LS25 VZV.., LS32 VZV.., LS38 VZV..,  
..A6, ..A8, ..A3+2, ..A4+2**

Bohrplan



Lieferlänge bei: ..A4+2, ..A6, ..A8

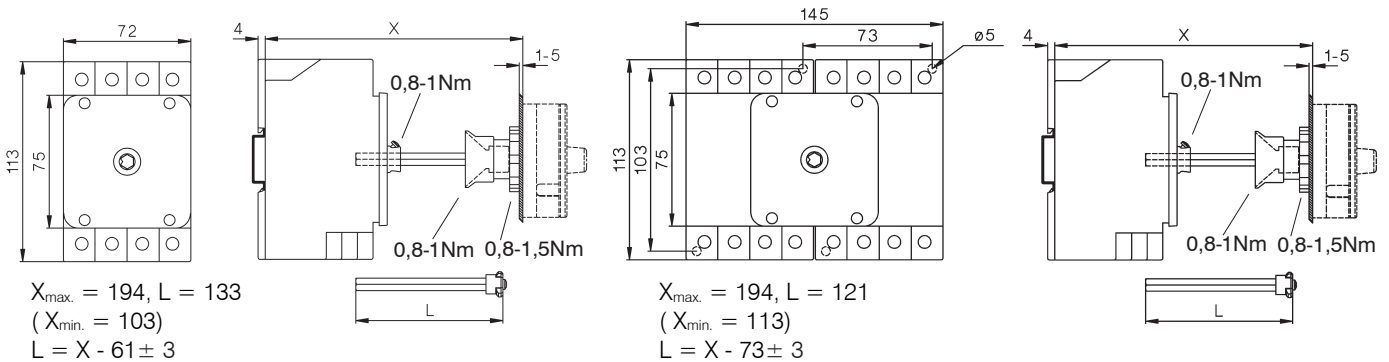
$X_{max} = 194, L = 150$

( $X_{min} = 95$ )

$L = X - 49 \pm 3$

**LS40 VZV.., LS55 VZV..  
..A2, ..A2+2, ..A4**

**LS40 VZV.., LS55 VZV..  
..A6, ..A8, ..A3+2, ..A4+2**



$X_{max} = 194, L = 133$

( $X_{min} = 103$ )

$L = X - 61 \pm 3$

$X_{max} = 194, L = 121$

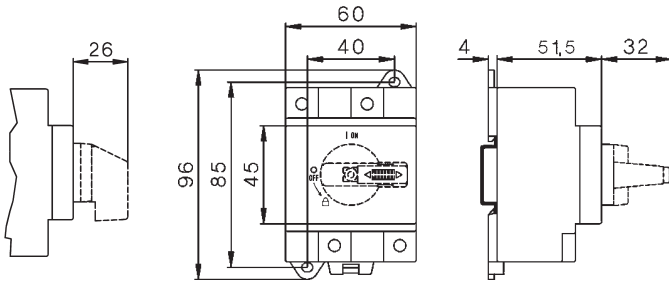
( $X_{min} = 113$ )

$L = X - 73 \pm 3$

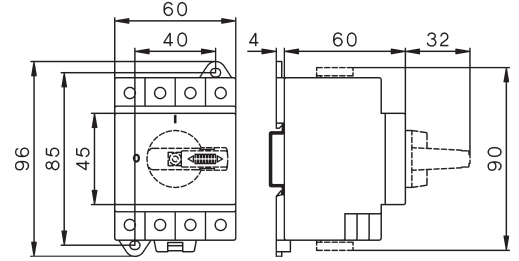


# Abmessungen

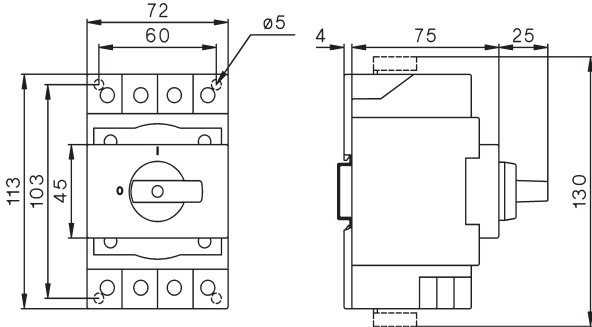
LS16 SMA..., LS25 SMA..., LS32 SMA..., LS38 SMA...,  
..A2 ..



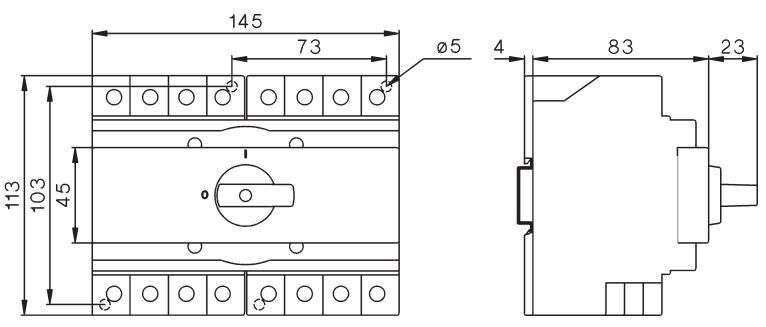
A2+2, ..A4



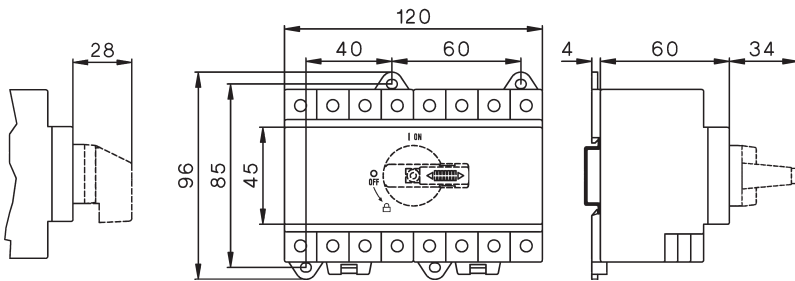
LS40 SMA..., LS55 SMA..  
..A2, ..A2+2, ..A4



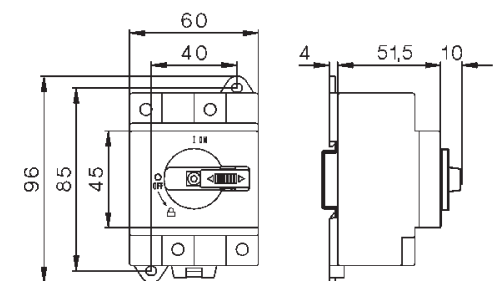
LS40 SMA..., LS55 SMA..  
..A6, ..A8, ..A3+2, ..A4+2



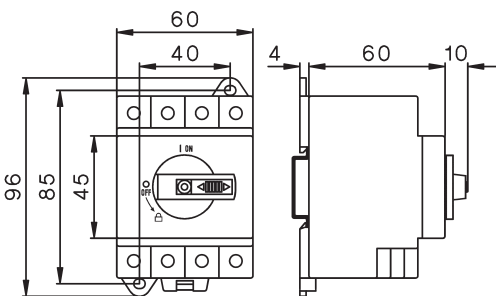
LS16 SMA..., LS25 SMA..., LS32 SMA..., LS38 SMA...,  
..A6, ..A8, ..A3+2, ..A4+2



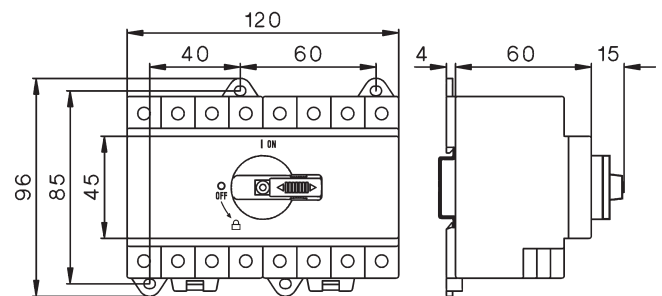
LS.. SMAH1.. mit niedrigem Griff  
A2 +SV1N



LS16 SMAH1..., LS25 SMAH1..., LS32 SMAH1..., LS38 SMAH1..  
A2+2 +SV1N, A4 +SV1N mit niedrigem Griff



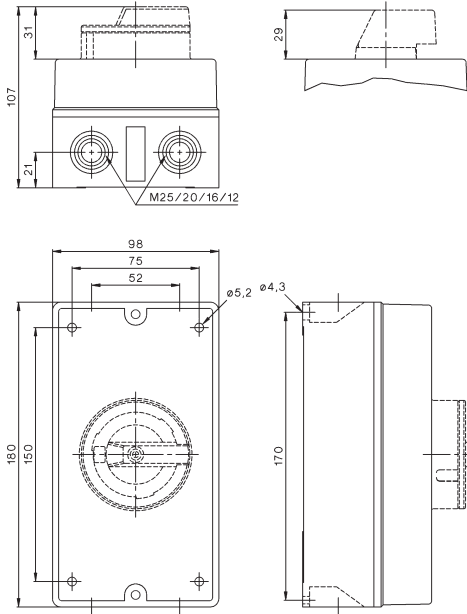
mit niedrigem Griff  
A4+2 +SV1N, A6 +SV1N, A8 +SV1N



## Abmessungen

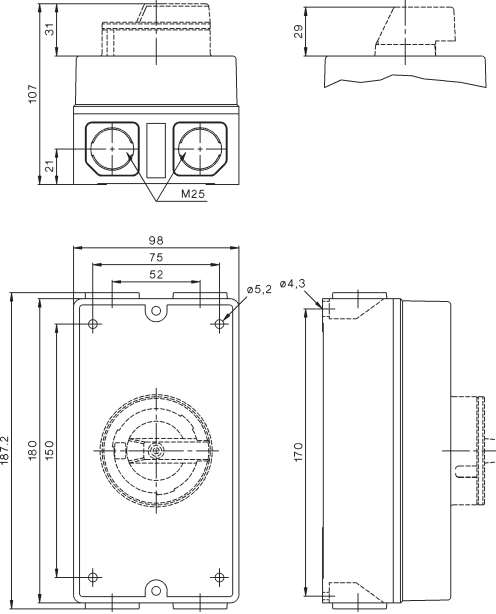
LS16 PFL..., LS25 PFL..., LS32 PFL..., LS38 PFL..  
..A2, ..A2+2, ..A4

Hauptschalter (versperrbar)  
LS..PFLH4 A..

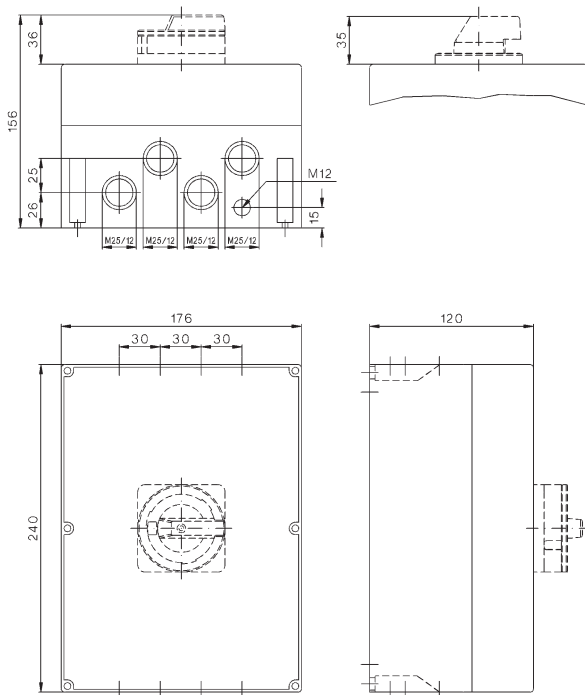


LS16 PFL..., LS25 PFL..., LS32 PFL..., LS38 PFL..  
..A2, ..A2+2, ..A4  
+ M25

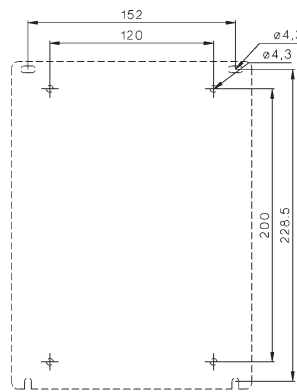
Hauptschalter (versperrbar)  
LS..PFLH4 A..



LS16 PFL..., LS25 PFL..., LS32 PFL..., LS38 PFL...,  
..A6, ..A8, ..A3+2, ..A4+2  
Hauptschalter (versperrbar)  
LS..PFLH4 A..



LS40 PFL..., LS55 PFL..  
..A2, ..A4, ..A6, ..A8, ..A2+2, ..A3+2, ..A4+2



Isolierte Verbinder LSV-.. für Serien- und Parallelschaltung von Kontakten:

LS16.., LS25.., LS32.., LS38..

LSV-B1-1

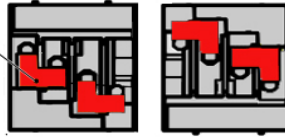


und LSV-B1-2



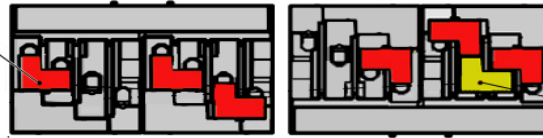
LS.. E A2+2

LSV-B1-1



LS.. E A3+2

LSV-B1-1

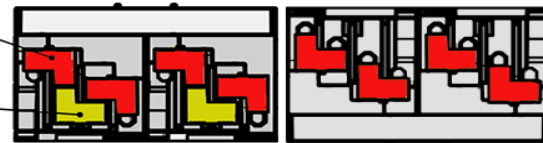


LSV-B1-2

LS.. V A4+2U

LSV-B1-1

LSV-B1-2



LS40.., LS55..

LSV-B2-1



+

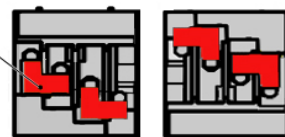


= LSV-B2



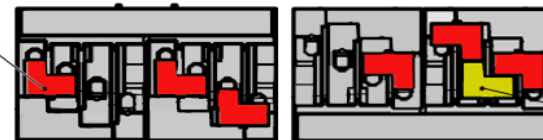
LS.. E A2+2

LSV-B2-1



LS.. E A3+2

LSV-B2-1



LSV-B2

LS.. V A4+2U

LSV-B2-1

LSV-B2



