



Powering Business Worldwide

Tekniske data, komplette enheter

LS, LSM, LSE

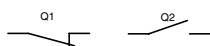
IP66,IP67 komplette enheter				
		LS, LSM	LSE-11 LSE-02	LSE-AI LSE-AU
Generelt				
Forskrifter		IEC/EN 60947	IEC/EN 60947 EN 61000-4	IEC/EN 60947 EN 61000-4
Klimafasthet		Fuktig varme, konstant ihht. IEC 60068-2-78	Fuktig varme, periodisk ihht. IEC 60068-2-30	
Omgivelsestemperatur		-25...+70	-25...+70	-25...+70
Montasje posisjon		Vilkårlig	Vilkårlig	Vilkårlig
Kaplingsgrad		IP66, IP67	IP66, IP67	IP66, IP67
Tilkoblingstverrsnitt, skruklemmer og fjærklemmer				
Entrådet	mm ²	1 x (0,5 - 2,5)	1 x (0,5 - 2,5)	1 x (0,5 - 2,5)
Flertrådet med hylse ihht. DIN 46228	mm ²	1 x (0,5 - 1,5)	1 x (0,5 - 1,5)	1 x (0,5 - 1,5)
Strømbane				
Merkespennning	U _e	V DC	12 - 30	24 (-15%/+20%)
Merkedriftsstrøm				
12 V	I _e	mA	15	
24 V	I _e	mA	18	28 - 45
30 V	I	mA	19	24
Kontakt-/bryteevne				
Merkestøtspenningsholdfasthet	U _{imp}	VAC	4000	
Merkeisolasjonsspenning	U _i	V	400	
Overspenningskategori/forurensningsgrad		III/3	III/3	
Merkedriftsstrøm				
AC-15	24 V	I _e	A	6
	230 V/240 V	I _e	A	6
	400 V/415 V	I _e	A	4
DC-13	24 V	I _e	A	3
	110 V	I _e	A	0,8
	220 V	I _e	A	0,3
Analog utgang QJ				
Utgående spenning (max. 10 mA)		V DC		0 - 10
Utgående strøm		mA		4 - 20
Oppløsning		Steg		100
Stegtoleranse		Steg		1
Shunt-motstand, resitiv belastning		Ω		< 400
Digital diagnostikk avgang		Q2		> 1000
Normal drift		V		ca. U _e
		mA		< 200
Styrekrets pålitelighet				
ved 24 V DC/5 mA	H _F	Feil-sansynlighet	<10 ⁻⁷ , <1 feil pr 10 ⁷ opera- sjoner	
ved 5 V DC/1 mA	H _F	Feil-sansynlighet	<10 ⁻⁶ , <1 svikt pr 5 x 10 ⁶ operasjoner	
Frekvens		Hz	maks. 400	
Kortslutningsområde ihht. IEC/EN 60947-5-1				
maks. sikring		A gG/gI	6	
Gjentakelsesnøyaktighet		mm	± 0,02	± 0,02
Merknad				
For LSE 11 og LSE 02 gjelder:				
Sørg for riktig tilførselsspenning ved innstilling av betjeningspunkt				

Tekniske data, komplette enheter

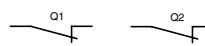
LS, LSM, LSE

			IP66,IP67 komplette enheter			
			LS, LSM	LSE-11 LSE-02	LSE-AI LSE-AU	LSE-AI LSE-AU
Mekanisk drift						
Levetid						
Standard kontakt	Koblinger	x 10 ⁶	8			
Moment-kontakt	Koblinger	x 10 ⁶	8	3 (elektronisk)		
Berøringsstemperatur på betjeningsarm med rulle		°C	≤ 100	≤ 100	≤ 100	≤ 100
Støtsikkerhet, 20 ms			IP66, IP67	IP66, IP67	IP66, IP67	IP66, IP67
Standard kontakt		g	25			
Moment-kontakt		g				
Basisenhet		g		30	30	30
Betjeningsfrekvens	Koblinger/t		≤ 6000	≤ 3000	≤ 3000	≤ 3000
Koblingspunkt				0.5 - 5,5 mm, fritt justerbart		
Hysteres		mm		0,4	0,4	0,4
Kontaktsekvens		mm		0,04	0,06	0,06
Drivkraft						
Mekanisk						
Aktiveringskraft start/slutt						
Basisenhet		N	1,0/8,0	3,5/8,0	3,5/8,0	3,5/8,0
LS(M)-XP		N	1,0/8,0	1,0/8,0	1,0/8,0	1,0/8,0
LS(M)-XL		N	1,0/8,0	1,0/8,0	1,0/8,0	1,0/8,0
LS(M)-XLA		N	1,0/8,0	1,0/8,0	1,0/8,0	1,0/8,0
Aktiveringsmoment for roterende drift		Nm	0,2	0,2	0,2	0,2
Maks. driftshastighet med DIN skive						
Basisenhet med vinklet aktivisering	0°/30°	m/s	1/0,5	1/0,5	1/0,5	1/0,5
LS(M)-XRL for vinklet aktivering	α = 0°	m/s	1,5	1,5	1,5	1,5
LS(M)-XRLA for vinklet aktivering	α = 30° L = 125 mm	m/s	1,5	1,5	1,5	1,5
LS(M)-XRR for vinklet aktivering	L = 130 mm	m/s	1,5	1,5	1,5	1,5
LS(M)-XL for vinklet aktivering	α = 30°/ 45°	m/s	1	1	1	1
LS(M)-XLA for vinklet aktivering	α = 30°/ 45°	m/s	1	1	1	1
LS(M)-XP for vinklet aktivering	α = 0°/ 30°	m/s	1/1	1/1	1/1	1/1
Elektromagnetisk kompatibilitet (EMC)						
Elektrostatisk utladning (IEC/EN 61000-4-2,nivå 3, ESD)						
Luftutladning		kV		8	8	8
Kontaktutladning		kV		4	4	4
Elektromagnetisk felt (IEC/EN 61000-4-3, RFI)		V/m		10	10	10
Burst pulses (IEC/EN 61000-4-4,nivå 3)						
Tilførselskabler		kV		2	2	2
Signalkabler		kV		2	2	2
Støtpuls (IEC/EN 61000-4-5)		kV		0,5	0,5	0,5
Induserende felt (IEC/EN 61000-4-6)		V		10	10	10
			Kontaktor M12A(B)	M12A(B)5		
Generelt						
Antall poler			4	5		
Kapslingsgrad			IP66	IP66		
Mekanisk levetid	Koblinger		> 500	> 500		
Karakteristikk						
Merkedriftsspennning	D _e	VAC	250	1255		
Merkedriftsstrøm	I _e	A	4	4		
Overspenningskategori/forurensningsgrad			II/3	II/3		

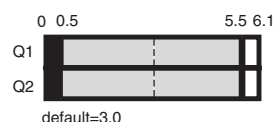
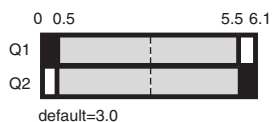
LSE-11



LSE-02



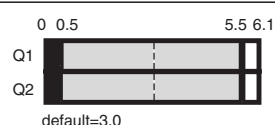
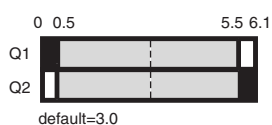
Basisenhet



Aktiviseringshode

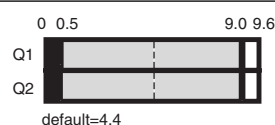
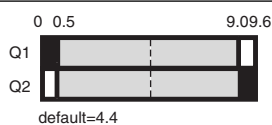
Rulletapp

LS-XP
LSM-XP
PLS-XOR



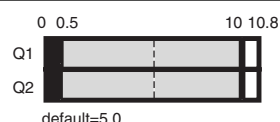
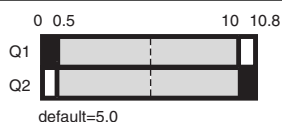
Arm med rulle

LS-XL
LSM-XL
LS-XL
LS-XLB



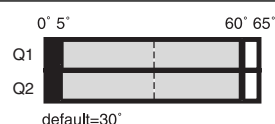
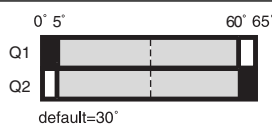
Vinkelrulle

LS-XLA
LSM-XLA



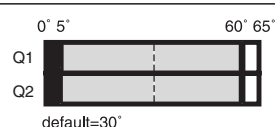
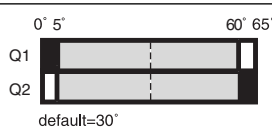
Svingarm

LS-XRL
LSM-XRL



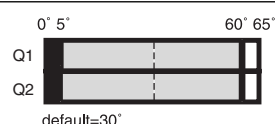
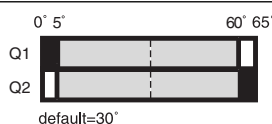
Justerbar rullearm

LS-XRLA
LSM-XRLA
LS-XRLA30
LS-XRLA40
LS-XRLA40R



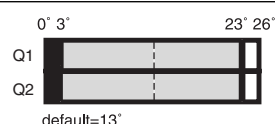
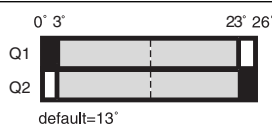
Justerbar kunststoffarm

LS-XRR
LSM-XRR
LS-XRRM
LSM-XRRM



Fjærstav

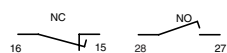
LS-XS
LSM-XS



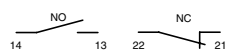
Tekniske data, funksjonsdiagram

LS, LSM

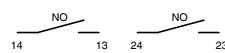
LS-11DA
LS-S11DA
LSM-11DA



LS-11S
LS-S11S
LSM-11S



LS-20
LS-S20
LSM-20



LS-20A
LS-S20A
LSM-20A

