SCP*2 CMK2 CMA2 SCM SCG SCA2 SCS CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK ULK* JSK/M2 **JSG** JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY STR2 UCA2 HCM HCA SRL2 SRG SRM SRT MRL2 MRG2 SM-25

> CAC3 UCAC RCC2 MFC

SHC GLC Ending



Round shaped medium bore size cylinder Double acting direct mounting foot

SCM-LD Series

• Bore size: ϕ 20, ϕ 25, ϕ 32, ϕ 40, ϕ 50, ϕ 63

JIS symbol







Specifications

Specifications							
Descriptions							
Bore size mm	φ20	φ25	φ32	φ40	φ50	φ63	
Actuation		Douk	ole acting dir	ect mounting	g foot		
Working fluid	Compressed air						
Max. working pressure MPa	1.0						
Min. working pressure MPa		0	.1		0.	05	
Withstanding pressure MPa			1	.6			
Ambient temperature °C			-10 to 60 (r	no freezing)			
Port size		Ro	:1/8		Ro	:1/4	
Stroke tolerance mm		+′	+2.3				
Stroke tolerance mm		(0		(0	
Working piston speed mm/s	30 to	o 1000 (Use	within the al	lowable ene	rgy absorpti	ion.)	
Cushion			Rubber	cushion			
Lubrication	Not	required (wh	en lubricatin	g, use turbir	ne oil ISO V	G32.)	
Allowable energy absorption J	0.1	0.2	0.5	0.9	1.6	1.6	

Stroke length

Bore size (mm)	Standard stroke length (mm)	Max. stroke length (mm)	Min. stroke length (mm)		
φ20	25, 50, 75,				
φ25					
φ32	100, 125, 150,	300	10		
φ40	200, 250, 300				
φ50	200, 200, 000				
φ63					

Note 1: Custom stroke length is available per 1 mm increment.

Switch quantity and min. stroke length (mm)

Switch installation method: Rail method

	•										
Switch quantity Bore size (mm)		1		2		3		4		5	
		Proximity	Reed								
	φ20	1	0	2	25		50	55		75	85
	φ25	1	0	2	25		50	55		75	85
	φ32	1	0	2	5	40	50	55		75	85
	φ40	1	0	2	25		50	55		75	85
	φ50	1	0	2	25		50	5	5	75	85
	φ63	1	0	2	5	40	50	5	5	75	85

Switch installation method: Band method

-	Switch quantity	1			2		3 4				5					
	Poro sizo (mm)	Proxi	mity	Reed	Prox	imity	Reed	Prox	imity	Dood	Prox	imity	Dood	Prox	imity	Dood
	Bore size (mm) 🔪	T2, T3	T*Y*	Reeu	T2, T3	T*Y*	Reeu	T2, T3	T*Y*	Reed	T2, T3	T*Y*	Reed	T2, T3	T*Y*	Reed
	φ20		10		25	35	25	50	55	50	75	80	70	95	100	95
	φ25		10		25	35	25	50	55	50	75	80	70	95	100	95
	φ32		10		25	35	25	50	55	50	75	80	70	95	100	95
	φ40		10		25	35	25	50	55	50	75	80	70	95	100	95
	φ50		10		25	35	25	50	55	50	75	80	70	95	100	95
	φ63		10		25	35	25	50	55	50	75	80	70	95	100	95

Note 1: Trunion mounting is not available when installing one switch with a stroke of 10 mm or more, less than 25 mm, since the switch rail mounting position will change. Refer to page 333 for installation position.

SCP*2

CMK2 CMA2 SCM SCG SCA2 scs CKV2 CA/OV2 SSD CAT MDC2 MVC SMD2 MSD* FC* STK

ULK* JSK/M2 JSG JSC3 USSD USC JSB3 LMB STG STS/L LCS LCG LCM LCT LCY

STR2

UCA2

HCM HCA SRL2

SRG SRM SRT MRL2 MRG2 SM-25 CAC3 UCAC

Switch specifications

●1 color/2 color indicator

* The TO/T5 switch can be used with 220 VAC. Contact CKD for working conditions.

	Proximi	ty 2-wire		Pro	ximity 3-	wire			R	eed 2-wi	ire		
Descriptions	T1H/T1 V	T2H/T2V/ T2JH/T2JV	IT2YH/T2YV	T3H/T3V	T3PH/T3PV (Custom order)	IT3YH/T3YV	лзүү тон/тоv т5н/т5v		T8H/T8V		/		
A	Programmable controller,	Prograr	mmable	Pro	gramma	able	Prograi	mmable	Programmal	ole controller,	Program	nmable co	ontroller,
Applications	relay, small solenoid valve	controller	dedicated	d controller, relay controller, relay serial connection				relay					
Output method	-			NPN output	PNP output	NPN output	<u>-</u>						
Power voltage		-		10	to 28 VI	DC	-						
Load voltage	85 to 265 VAC	10 to 3	0 VDC	30	VDC or I	ess	12/24 VDC	110 VAC	5/12/24 VDC	110 VAC	12/24 VDC	110 VAC	220 VAC
Load current	5 to 100 mA	5 to 20 m	A (Note 1)	100 mA	or less	50 mA or less	5 to 50 mA	7 to 20 mA	50 mA or less	20 mA or less	5 to 50 mA	7 to 20 mA	7 to 10 mA
Links	LED	LED	Red/Green	LED	Green	Red/green	LE	D	withou	ut light		LED	
Light	(ON lighting)	(ON lighting)	LED (ON lighting)	(ON lighting)	LED (ON lighting)	LED (ON lighting)	(ON li	ghting)	WILLIO	ut light	(0	ON lightir	ıg)
Leakage current	1 mA or less with 100 VAC												
	2 mA or less with 200 VAC	TMA	or less	10 μA or less		0 mA							

With preventive maintenance output

•	pro romanio	aoo oatpat							
Descriptions		Proximity 3-wire	Proximity 4-wire	Proximity 3-wire	Proximity 4-wire				
Desc	ipuons	T2YFH/V	T3YFH/V	T2YMH/V	T3YMH/V				
الممان	notions	Programmable	Programmable	Programmable	Programmable				
Appli	cations	controller dedicated	controller, relay	controller dedicated	controller, relay				
Outpo	ut method		NPN (output					
Light	Installation position adjustment		Red/Green LE	D (ON lighting)					
Ë	Preventive maintenance output	-		Yellow LED (ON lighting)					
	Power voltage	-	10 to 28 VDC	-	10 to 28 VDC				
ula	Load voltage	10 to 30 VDC	30 VDC or less	10 to 30 VDC	30 VDC or less				
Regular output	Load current	5 to 20 mA	50 mA or less	5 to 20 mA	50 mA or less				
	Leakage current	1 mA or less	10 μA or less	1.2 mA or less	10 μA or less				
tive ince ut	Load voltage		30 VDC	or less					
Preventive maintenance output	Load current	20 mA or less	50 mA or less	5 to 20 mA or less	50 mA or less				
Pre mair o	Leakage current	10 μA or less							

(Unit: kg)

Note 1: Refer to Ending 1 for other switch specifications.

Note 2: Max. load current above: 20 mA at 25 °C. The current will be lower than 20 mA if ambient temperature around switch is higher than 25 °C. (5 to 10mA at 60 °C)

		weig	

Descriptions/mounting style	Product weight when stroke length (S) = 0 mm	Switch weight	Additional weight	Additional weight	Band weight per
Bore size (mm)	Basic type	Grommet	per S = 10 mm	per S = 10 mm (with rail)	1 switch
φ20	0.14	0.018	0.010	0.012	0.007
φ25	0.22	0.018	0.014	0.016	0.007
φ32	0.34	0.018	0.018	0.020	0.007
φ40	0.56	0.018	0.030	0.032	0.007
φ50	1.04	0.018	0.044	0.046	0.008
φ63	1.46	0.018	0.052	0.054	0.009

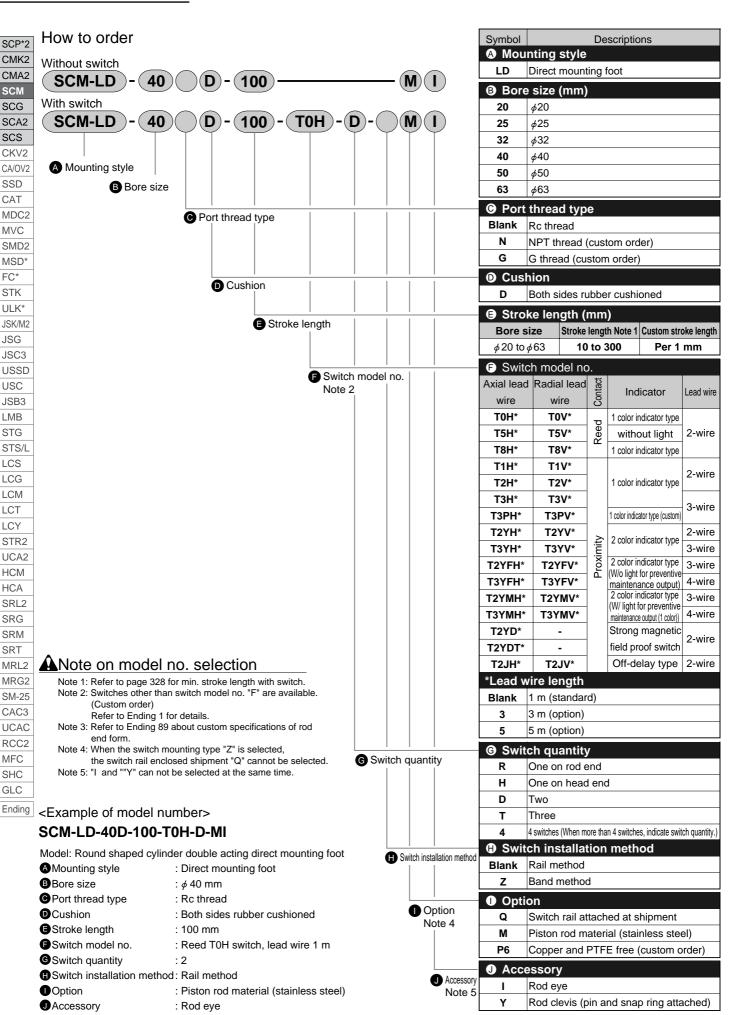
Product weight when S = 0 mm······ 0.56 kg Additional weight when S = 100 mm \cdots 0.032 x $\frac{100}{10}$ = 0.32 kg (Eg.) Product weight of SCM-LD-40D-100-T2H-D Weight of 2 switches 0.036 kg Product weight ----- 0.56 kg + 0.32 kg +0.036 kg = 0.916 kg

SHC GLC Ending

RCC2 MFC

Round shaped cylinder Standard type

SCM-LD Series



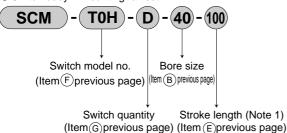
SCM-LD Series

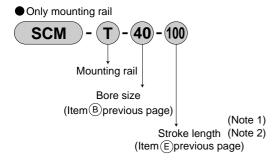
How to order

How to order switch

(switch installation method: rail method)

● Switch body + mounting rail set





Note 1:When more than 300 mm stroke, indicate "X".

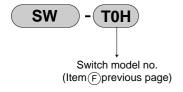
When more than 300 mm stroke, a short rail

(100 mm switch adjustment distance) is provided per switch.

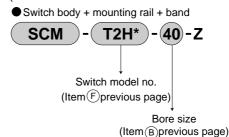
Note 2:When X is indicated only with the mounting rail,

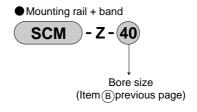
order the same number of rails as the number of switches being used.

(only switch body)



(switch installation method: band method)





SCP*2 CMK2 CMA2 SCM SCG SCA2

SCG
SCA2
SCS
CKV2
CA/OV2
SSD
CAT
MDC2
MVC
SMD2
MSD*

STK ULK*

JSK/M2

JSG

JSC3

USSD USC JSB3 LMB

STG STS/L LCS

LCG LCM LCT

LCY STR2 UCA2

HCM HCA SRL2 SRG

SRT MRL2 MRG2

SRM

SM-25 CAC3 UCAC

MFC SHC GLC

Ending

Round shaped cylinder Standard type