E Series

Heat Application resistance cylinder

SCA2-L2T (E0), SSD-T1L (ET0)



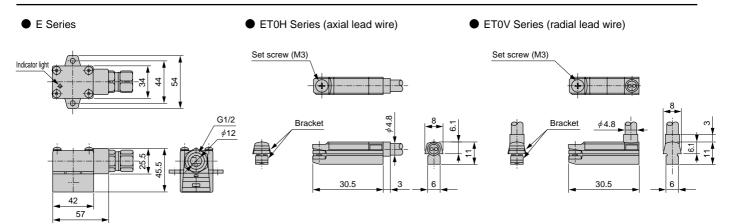


Refer to Intro 21 for details. (Excluding EO)

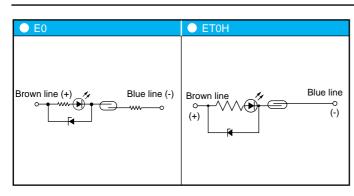
Specifications

- p							
Descriptions			Reed	2 wire			
Descriptions	E0 ET0						
Applications		i	Relay, program	mable controller			
Load voltage	12/24 VDC		12/24 VDC	110 VAC			
Load current	5 to 50mA	7 to 20mA	7 to 10mA	5 to 50mA	7 to 20mA		
Internal voltage drop		4V or less		2.4V (2.4V or less		
Leakage current		0mA					
Light		LED (ON lighting)					
Conduit		G1/2		-			
Lead wire		-		1m (heat resistance fluorine insulation cabtire cable 2 conductor 0.5mm²)			
Insulation resistance		1001	/IΩ and over wi	th 500 VDC megger			
Withstand voltage	No failure impre	ssed at 1500 VA	C for one minute	No failure impressed at	1000 VAC for one minute		
Maximum shock resistance			294	m/s ²			
Ambient temperature		-10 to + 120°C	;	-10 to + 150°C			
Protective structure	IE	C standards IF	P67, JIS C0920	(water tight type), oil r	esistance		
Weight		160g		40g			

Dimensions



Switch internal circuit diagram



Ending

Cylinder switch

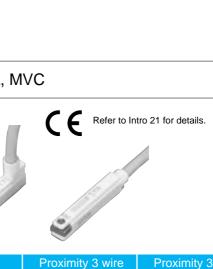
F Series

Application cylinder

LCS, LCG, LCM, MDC2, MSD, MSDG-L, MVC







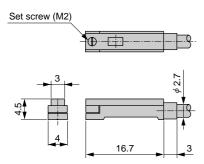
Specifications

Descriptions	Reed 2 wire	Proximi	ty 2 wire	Proximity 3 wire	Proximity 3 wire		
Descriptions	F0H/V	F2H/V	F2YH/F2YV	F3H/V	F3YH/F3YV		
Applications		Programmable controlle	r	Programmable	controller, relay		
Output method		-		NPN (output		
Power voltage		-		10 to 28 VDC			
Load voltage	24 VDC	10 to 30 VDC	24 VDC ±10%	30 VDC	or less		
Load current		5 to 20mA (Note 1)		50mA or less			
Current consumption		- 10mA or less with 24 VDC					
Internal voltage drop		4V or less	0.5V d	or less			
Light	Yellow LED	(ON lighting)	Red/green LED (ON lighting)	Yellow LED (ON lighting)	Red/green LED (ON lighting)		
Leakage current		1mA or less		10 μΑ	10 μA or less		
Lead wire length (standard)	Standard 1m (oil resis	stant vinyl cabtire cable	2 conductor 0.15mm ²)	Standard 1m (oil resistant vinyl ca	btire cable 3 conductor 0.15mm²)		
Maximum shock resistance	294m/s ²		980	m/s ²			
Insulation resistance		20ΜΩ	and over with 500 VDC r	negger			
Withstand voltage		No fail	ure for one minute at 100	00 VAC			
Ambient temperature			-10 to + 60°C				
Protective structure		IEC standards IP67	7, JIS C0920(water tight	type), oil resistance			
Weight	1m: 10g	3m: 30g	1m: 20g 3m: 50g	1m: 10g 3m: 30g	1m: 20g 3m: 50g		

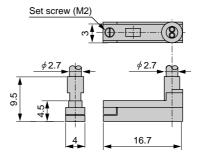
Note 1: The maximum load current 20mA is applied at 25°C. The current will be lower than 20mA if ambient temperature around switch is higher than 25°C. (5 to 10mA at 60°C.)

Dimensions

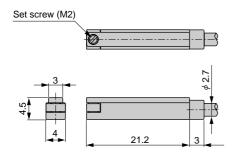
● F*H Series (axial lead wire)



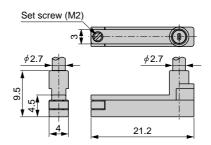
● F*V Series (radial lead wire)



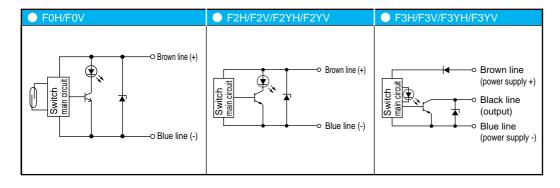
● F*YH Series (axial lead wire)



● F*YV Series (radial lead wire)



Switch internal circuit diagram



Ending

H Series

Strong magnetic Application field proof cylinder

SCA2-L2, JSC3-L2, CAC3-L2, UCAC-L2





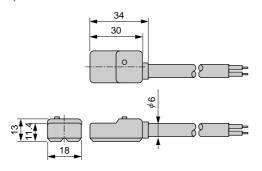


Specifications

Descriptions		Reed	2 wire			
Descriptions	F	10	H0Y (2 color indicator type)			
Applications	Programmable	controller, relay	Programmable controller			
Load voltage	12/24 VDC	110 VAC	24 VDC			
Load current	5 to 50mA	7 to 20mA	5 to 20mA			
Internal voltage drop	5V o	r less	6V or less			
Light	Green LED	(ON lighting)	Red/green LED (ON lighting)			
Leakage current		10 μA or less				
Lead wire length	1m	(flame resistance cabtire	e cable 2 conductor 0.5mm²)			
Insulation resistance		100MΩ and over wi	th 500 VDC megger			
Withstand voltage	1	No failure impressed at 1	1000 VAC for one minute			
Maximum shock resistance		294	m/s²			
Ambient temperature range		-10 to	+ 60°C			
Protective structure	IEC sta	ndards IP67, JIS C0920	(water tight type), oil resistance			
Weight		1m: 80g 3m: 1	80g 5m: 270g			

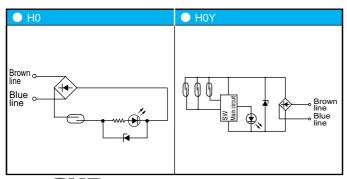
Dimensions

H Series (strong magnetic field proof)



Ending

Switch internal circuit diagram



Ending 26 CKD



Application cylinder

SMD2, STR2, LCY









Specifications

	Proximi	ty 2 wire	Proximity 3 wire			
Descriptions	K2H/K2V	K2YH/K2YV	K3H/V (NPN output type)	K3PH/V (PNP output type)	K3YH/V (2 color indicator type)	
Applications	Programmal	ole controller	Pro	grammable controller, re	elay	
Output method		-	NPN output	PNP output	NPN output	
Power voltage		-		10 to 28 VDC		
Load voltage	10 to 3	0 VDC	30 VDC or less			
Load current	5 to 20m/	Note 1)		50mA or less		
Current consumption		-	10mA or less with 24 VDC 12mA or less with 24 VDC 10mA or less w			
Internal voltage drop	4V o	rless	0.5V or less			
Light	LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Yellow LED (ON lighting)	Red/green LED (ON lighting)	
Leakage current	1mA o	or less		10μ A or less		
Lead wire length	1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire	1m (oil resistant	vinyl cabtire cable 3 co	nductor () 2mm²)	
	cable 2 conductor 0.3mm ²)	cable 2 conductor 0.3mm ²)	Tim (oii reolotant	viriyi cabiire dabie e de	nadotor o.zmm /	
Maximum shock resistance		980	m/s²			
Insulation resistance	20MΩ and over with 500 VDC megger	$100 M\!\Omega$ and over with 500 VDC megger	20MΩ and over wit	h 500 VDC megger	100MΩ and over with 500 VDC megger	
Withstand voltage	1	No failure impressed at 1	1000 VAC for one minute	e		
Ambient temperature		-10 to	+ 60°C			
Protective structure	IEC star	ndards IP67, JIS C0920	(water tight type), oil re	sistance		
Weight	1m: 20g 3m: 50g 5m: 80g	1m: 30g 3m: 90g 5m: 140g	1m: 20g 3m:	50g 5m: 80g	1m: 30g 3m: 90g 5m: 140g	

5		Ree	d 2 wire			
Descriptions	K0H	/K0V	K5H	K5H/K5V		
Applications	Programmable	controller, relay	Programmable controller, relay, IC c	ircuit (without light), serial connection		
Power voltage			-			
Load voltage	12/24 VDC	110 VAC	5/12/24 VDC	110 VAC		
Load current	5 to 50mA	5 to 50mA 7 to 20mA		20mA or less		
Current consumption			-			
Internal voltage drop	3V o	r less	0	0V		
Light	LED (ON	l lighting)		-		
Leakage current		1	0mA			
Lead wire length	1m	(oil resistant vinyl cabt	ire cable 2 conductor 0.2r	nm²)		
Maximum shock resistance		29	94m/s²			
Insulation resistance		20MΩ and over v	vith 500 VDC megger			
Withstand voltage	1	No failure impressed a	t 1000 VAC for one minute	Э		
Ambient temperature		-10 t	o + 60°C			
Protective structure	IEC sta	ndards IP67, JIS C092	20 (water tight type), oil re	sistance		
Weight		1m: 20g 3r	n: 50g 5m: 80g			

Note 1: Maximum load current above: Applies at 25°C. The current will be lower than 20mA if ambient temperature around switch is higher than 25°C. (5 to 10mA at 60°C.)

Note 2: Installation of K3PH, K3PV onto applicable cylinders is a custom order.

K Series

With preventive maintenance output

Application cylinder

SMD2, STR2, LCY



K*YFH



K*YFV

Specifications

		Proximity 3 wire	Proximity 4 wire	Proximity 3 wire	Proximity 4 wire		
De	scriptions	K2YF H/V	K3YF H/V	K2YM H/V	K3YM H/V		
Арр	lications	Programmable controller	Programmable controller, relay	Programmable controller	Programmable controller, relay		
Out	out method		NPN (output			
Light	Installation position adjustment		Red/green LEI	D (ON lighting)			
Ĕ	Preventive maintenance output		-	Yellow LED	ON lighting		
	Power voltage	-	10 to 28 VDC	-	10 to 28 VDC		
section	Load voltage	10 to 30 VDC	30 VDC or less	10 to 30 VDC	30 VDC or less		
sec	Load current 5 to 20mA		50mA or less	5 to 20mA	50mA or less		
Output 8	Internal voltage drop 4V or less		0.5V or less	4V or less	0.5V or less		
Õ	Current consumption	-	10mA or less	-	10mA or less		
	Leakage current	1mA or less	10 µ A or less	1.2mA or less	10 μ A or less		
thout	Load voltage		30 VDC	OC or less			
10 e or	Load current	20mA or less	50mA or less	5 to 20mA	50mA or less		
ntenar	Internal voltage drop	0.5V d	0.5V or less 4V or less				
Preventive maintenance output	Leakage current		10 μA	A or less			
/entive	Signal holding (Ton)	-	-	After 0.4±0.2sec from installation posit	ion adjustment section red LED lighting		
Pre	Signal release (Toff)	-	-	After 0.7±0.2sec from installation position	on adjustment section green LED lighting		
Loo	d wire length	1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire		
Lea	a wire length	cable 3 conductor 0.2mm ²)	cable 4 conductor 0.2mm ²)	cable 3 conductor 0.2mm²)	cable 4 conductor 0.2mm²)		
Maxi	mum shock resistance		100M Ω and over wi	th 500 VDC megger			
Insu	lation resistance		No failure impressed at 1	1000 VAC for one minute			
With	stand voltage		980	m/s²			
Amb	pient temperature		-10 to	+ 60°C			
Prot	ective structure	IE	C standards IP67, JIS C09020	(water tight type), oil resistan	ce		
Wei	ght		1m: 30g 3m:	90g 5m: 140g			

Note 1: Maximum load current above: Applies at 25° C. The current will be lower than 20mA if ambient temperature around switch is higher than 25° C. (5 to 10mA at 60° C.)

Ending

Vlinder switch

M Series

Application cylinder

SCP*2/FC*/RV*/SRL2/SRG/SRT/SRB2







M*H

Specifications

5	Proxim	ity 2 wire	Proximity 3 wire				
Descriptions	M2V/M2H	M2WV (2 color indicator type)	M3H/V (NPN output type)	M3H/V (NPN output type) M3PH/V (PNP output type)			
Applications	Programma	ble controller	Programmable contr	oller, relay, IC circuit, sr	nall solenoid valve		
Output method		-	NPN output	PNP output	NPN output		
Power voltage		-	4.5 to 2	28 VDC	10 to 28 VDC		
Load voltage	10 to 3	30 VDC		30 VDC or less			
Load current	5 to 3	30mA	200mA or less	100mA or less	150mA or less		
Current consumption		-	10mA or less with 24 VDC	12mA or less with 24 VDC	15mA or less with 24 VDC		
Internal voltage drop	4V o	r less	0.5V or less				
Light	LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Yellow LED (ON lighting)	Red/green LED (ON lighting)		
Leakage current	1mA	or less	10 μA or less	0.05mA or less	10μA or less		
Lead wire length	1m (oil resistant vinyl cabtir	e cable 2 conductor 0.2mm ²)	1m (oil resistant vi	nyl cabtire cable 3 cond	uctor 0.15mm ²)		
Maximum shock resistance			980m/s ²				
Insulation resistance		100ΜΩ	and over with 500 VDC	megger			
Withstand voltage		No failure im	pressed at 1000 VAC fo	r one minute			
Ambient temperature			-10 to + 60°C				
Protective structure		IEC standards IP67	, JIS C0920 (water tight	type), oil resistance			
Weight	1m: 20g 3m:	60g 5m: 90g	1m	: 20g 3m: 60g 5m: 90	g		

Descriptions		Reed	2 wire				
Descriptions	MOV	/M0H	M5V	M5V/M5H			
Applications	Programmable	controller, relay	Programmable controller, relay, IC c	ircuit (without light), serial connection			
Power voltage			-				
Load voltage	12/24 VDC	110 VAC	5/12/24 VDC	110 VAC			
Load current	5 to 50mA	7 to 20mA	50mA or less	20mA or less			
Current consumption			-				
Internal voltage drop	3V o	r less	0	0V			
Light	LED (ON	l lighting)	Without inc	dicator light			
Leakage current		Or	mA				
Lead wire length	1m	(oil resistant vinyl cabtir	e cable 2 conductor 0.2n	nm²)			
Maximum shock resistance		294	lm/s ²				
Insulation resistance		100MΩ and over w	ith 500 VDC megger				
Withstand voltage	1	No failure impressed at	1000 VAC for one minute	е			
Ambient temperature		-10 to + 60°C					
Protective structure	IEC sta	ndards IP67, JIS C0920	(water tight type), oil res	sistance			
Weight		1m: 20g 3m:	: 60g 5m: 90g				

Note 1: M*H is available for SRL2, SRG, SRT and SRB2.

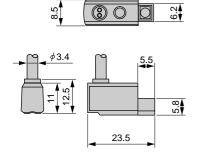
Note 2: Please refer to the pages that each cylinder model is listed about model no. cylinder switch.

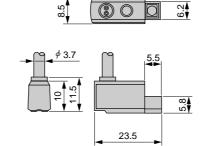
6.2 8.5 8.5

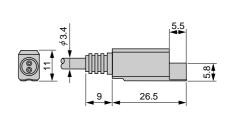
Dimensions

M*V Series (radial lead wire)

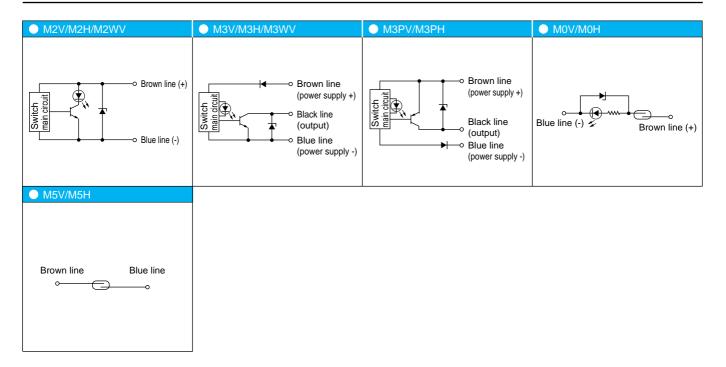
M*W Series (2 color indicator type, radial lead wire)
 M*H Series (axial lead wire)







Switch internal circuit diagram



Cylinder switch

R Series

cylinder

CMA2, SCA2, SCS, HCA, JSM2, JSC3, MFC, CAV2, COV2, GLC, SHC, USC



Refer to Intro 21 for details.







R*/R*Y

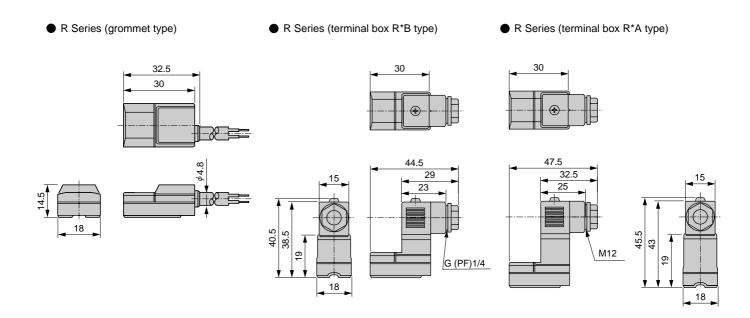
Specifications

5		Proximity 2 wire		Proximit	y 3 wire			
Descriptions	R1/R1K	R2/R2K	R2Y/R2YK (2 color indicator type)	R3/R3K	R3Y/R3YK (2 color indicator type)			
Amaliantiana	Programmable controller,	Drogramma	ble controller	Programmable controller,				
Applications	relay, small solenoid valve	Programma	ble controller	relay, IC circuit, solenoid valve				
Output method		-		NPN (NPN output			
Power voltage	-		-	4.5 to 2	28 VDC			
Load voltage	85 to 265 VAC	10 to 3	30 VDC	30 VDC or less	30 VDC or less			
Load current	5 to 100mA	5 to	30mA	200mA or less	150mA or less			
Current concumption	-			With 24 VDC	(ON lighting)			
Current consumption			10mA or less 16mA or l					
Internal voltage drop	7V or less	4V o	r less	0.5V or less at 150mA	0.5V or less			
Light	LED (Of	N lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Red/green LED (ON lighting)			
Leakage current	1mA or less with 100 VAC 2mA or less with 200 VAC	1mA or less	1.2mA or less	10 μΑ	or less			
Lead wire length	1m (oil resistan	t vinyl cabtire cable 2 co	onductor 0.3mm²)	1m (oil resistant vinyl cabtire	e cable 3 conductor 0.2mm²)			
Maximum shock resistance			980	m/s²				
Insulation resistance			$20M\Omega$ and over wit	th 500 VDC megger				
Withstand voltage	No failure impressed at 1500 VAC for one minute		No failure impressed at	1000 VAC for one minute	9			
Ambient temperature			-10 to	+ 60°C				
Protective structure		Grommet type	: IEC standards IP67, JIS	C0920 (water tight type	e), oil resistance			
Option		Tern	ninal box R*A (IP64), tern	ninal box R*B (no water	proof)			
Weight	1m	n: 40g 3m: 100g 5m: 1	160g	1m: 60g 3m: 1	10g 5m: 170g			

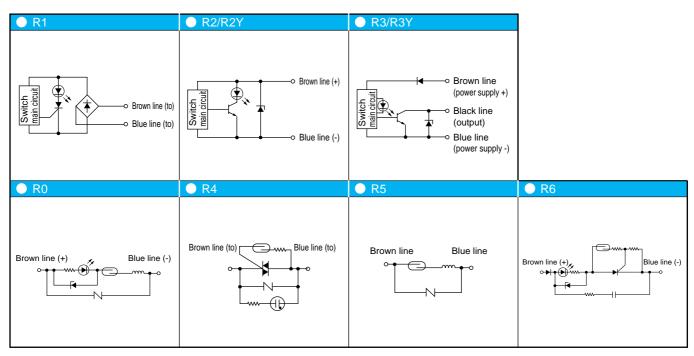
Descriptions					Reed	2 wire			
Descriptions		R0		R4		R5			R6
Applications	Polov pro	arammahla	controllor	High capacity rela	av. solonoid valvo	Programmable controller, relay, IC circuit			Programmable controller
Applications	Relay, pro	grammable	CONTROLLE	I light capacity rei	ay, soleriold valve	(w/o indicat	or light), seria	I connection	(With DC self hold)
Power voltage		-			-		-		-
Load voltage	12/24 VDC	110 VAC	220 VAC	110 VAC	220 VAC	5/12/24 VDC	110 VAC	220 VAC	24 VDC
Load current	5 to 50mA	7 to 20mA	7 to 10mA	20 to 200mA	10 to 200mA	50mA or less	20mA or less	10mA or less	5 to 50mA
Current consumption		-			-		-		-
Internal voltage drop	2.4V or less			2V o	r less	0V			5V or less
Light	LEC	O (ON light	ing)	Neon light OFF	(OFF lighting)	None			LED (ON lighting)
Leakage current		0mA		1mA o	or less	0mA			0.1mA or less
Lead wire length				1m (oil resist	ant vinyl cabtire	e cable 2 c	onductor (0.3mm²)	
Maximum shock resistance					294	m/s²			
Insulation resistance				20M	1Ω and over wit	h 500 VD0	C megger		
Withstand voltage				No failure	impressed at	1500 VAC	for one mi	inute	
Ambient temperature					-10 to	+ 60°C			
Protective structure			Gromme	t type: IEC stan	dards IP67, JIS	C0920 (v	vater tight	type), oil re	esistance
Option				Terminal box I	R*A (IP64), tern	ninal box F	R*B (no wa	ater proof)	
Weight					1m: 40g 3m: 1	100g 5m:	160g		

Note: For proximity switch SCS/JSC3 (large bore size), "K" is indicated at the end of model number. (e.g.) R1K, R2K, R3K, R2YK, R3YK

Dimensions



Switch internal circuit diagram



Ending

Cylinder switch

T Series

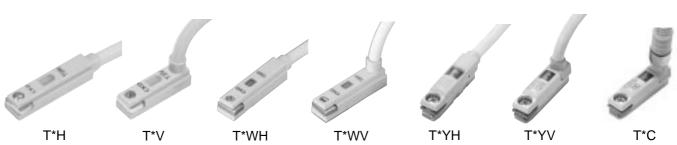
1 color/2 color indicator

Application cylinder

CMK2, SCM, SCG, CKV2, SSD, JSG, ULK, JSK2, STG, STS/STL, SRM, MRL2, MRG2, UCA2, STK, LCS, LCG, LCT, UCAC, HCM, CSC3, RRC, Hand-chuck



Refer to Intro 21 for details.



Specifications

Descriptions		Proximity 2 wire						Proximity 3 wire		
Descriptions	T1H/T1V		/T2VR3 sistance)	T2JH/T2JV (Off-delay type)	T2YH/T2YV T2YC (2 color indicator)	T2WH/T2WV (2 color indicator)	T3H/T3V/T3C	T3PH/T3PV (PNP output type)	T3YH/T3YV T3YC (2 color indicator)	T3WH/T3WV (2 color indicator)
Applications	Programmable controller, relay, compact solenoid valve	Programmable controller					Prog	ırammable	controller, i	relay
Output method			•				NPN output	PNP output	NPN output	NPN output
Power voltage			-					10 to 2	28 VDC	
Load voltage	85 to 265 VAC	1	0 to 3	30 VDC		24 VDC ±10%		30 VDC	or less	
Load current	5 to 100mA		5 to	20mA (No	te 1)		100mA	or less	50mA	or less
Current consumption	-			-			10mA or less with 24 VDC	12mA or less with 24 VDC	10mA or less	with 24 VDC
Internal voltage drop	7V or less			4V or less			0.5V or less			
Delay hour off		•	200±50ms -					<u> </u>		
Light	LEC	O (ON lighting)			Red/green LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	Green LED (ON lighting)	Red/green LE	D (ON lighting)
Leakage current	1mA or less with 100 VAC 2mA or less with 200 VAC			1mA or les	3		10 μA or less			
Lead wire length	1m (oil resistant vinyl cabtire cable	1m (oil resistant 3m (bend cabtire cable 2 oil resistant	,	1m (oil resistant cabtirecord 2		istant vinyl e cable	1m	(oil resista	nt vinyl cab	tire
Lead wire length	2 conductor 0.3mm ²)	conductor 0.2mm²) 2 conduct		conductor 0.3mm ²)	2 conduct		3 (conductor o	able 0.2mr	n²)
Maximum shock resistance					980m/s ²					
Insulation resistance	100MΩ and over with 500 VDC megger	$20 M\Omega$ and over with 500 VD	C megger	100MΩ and over w	ith 500 VDC megger	20MΩ and over with 500 VDC megger	20MΩ and over wit	th 500 VDC megger	100MΩ and over with 500 VDC megger	
Withstand voltage	No failure impressed at 1500 VAC for one min.			re impresse						
Ambient temperature				-	10 to + 60°	С				
Protective structure		IEC stan	dards	IP67, JIS	C0920 (wa	er tight typ	e), oil resis	tant		
Weight	1m: 30g 3m: 90g 5m: 140g	1m: 20g 3m: 50g 5n	n: 80g	1m: 30g 3m:	90g 5m: 140g	1m: 20g 3m: 50g 5m: 80g	1m: 20g 3m:	50g 5m: 80g	1m: 30g 3m: 90g 5m: 140g	1m: 20g 3m: 50g 5m: 80g

				Reed 2 wire					
Descriptions	T0H/T	DV/T0C		T5H/T5V/T5C	;	T8H/T8V			
Applications	Programmable	controller, relay	Programmable controll	er, relay, IC circuit (withou	t light), serial connection	Progran	nmable controll	er, relay	
Power voltage					-				
Load voltage	12/24 VDC	110 VAC	220 VAC 5/12/24 VDC 110 VAC			12/24 VDC	110 VAC	220 VAC	
Load current	5 to 50mA	7 to 20mA	7 to 10mA	50mA or less	20mA or less	5 to 50mA	7 to 20mA	7 to 10mA	
Current consumption					-				
Internal voltage drop	3V o	r less		0V			3V or less		
Light	LED (ON	l lighting)	Wi	thout indicator I	ight	L	ED (ON lighting	g)	
Leakage current				Or	nA				
Lead wire length	1m (c	il resistant viny	l cabtire cable	2 conductor 0.2	2mm²)	1m (oil resistant vi	nyl cabtire cable 2	conductor 0.3mm ²	
Maximum shock resistance				294	m/s ²				
Insulation resistance		20MΩ and	over with 500 \	/DC megger		100MΩ and	over with 500 \	/DC megger	
Withstand voltage	No	failure impres	sed at 1000 V/	AC for one minu	ıte	No failure impre	essed at 1500 VAC	C for one minute	
Ambient temperature				-10 to	+ 60°C				
Protective structure		IE	C standards II	P67, JIS C0920	(water tight typ	oe), oil resistan	се		
Weight		1m: 20)g 3m: 50g 5	im: 80g		1m: 30	g 3m: 90g 5r	m: 140g	

Note 1: Maximum load current above: 20mA applies at 25°C. The current will be lower than 20mA if ambient temperature around switch is higher than 25°C. (5 to 10mA at 60°C.)

Note 2: T2C, T2HR3, T2VR3, T3C, T3PH, T3PV, T0C, T5C switches are available as custom order when installed onto applicable cylinders.

Note 3: T2JH and T2JV switches are available as custom order when installed onto SRL2(ϕ 32 to ϕ 100), MRL2, LCS, UCAC or Hand-chuck. Note 4: The T0/T5 switches can be used at 220 VAC. Consult with CKD for working conditions. Note 5: Switch types are limited depending on cylinder. Refer to each cylinder page for the details.

With preventive Application maintenance output cylinder

CMK2, SCM, SCG, CKV2, SSD, JSG, ULK, JSK2, STG, STS/STL, SRM, STK, SRL2, SRG, SRT, SRB2, MRL2, HCM





Specifications

Descriptions		Proximity 3 wire	Proximity 4 wire	Proximity 3 wire	Proximity 4 wire	
		T2YF H/V	T3YF H/V	T2YM H/V	T3YM H/V	
Applications		Programmable controller	Programmable controller, relay	Programmable controller	Programmable controller, relay	
Output method		NPN output				
Light	Installation position adjustment	Red/green LED (ON lighting)				
	Preventive maintenance output		-	Yellow LED (ON lighting)		
	Power voltage	-	10 to 28 VDC	-	10 to 28 VDC	
section	Load voltage	10 to 30 VDC	30 VDC	10 to 30 VDC	30 VDC or less	
Output sec	Load current	5 to 20mA	50mA or less	5 to 20mA	50mA or less	
	Internal voltage drop	4V or less	0.5V or less	4V or less	0.5V or less	
	Current consumption	-	10mA or less	-	10mA or less	
	Leakage current	1mA or less	10 μ A or less	1.2mA or less	10 μA or less	
真	Load voltage	30 VDC or less				
100	Load current	20mA or less	50mA or less	5 to 20mA	50mA or less	
Preventive maintenance output	Internal voltage drop	0.5V or less		4V or less	2.4V or less	
e mai	Leakage current	10 μA or less				
entive	Signal holding (Ton)	•	-	After 0.4±0.2sec from installation position adjustment section red LED lighting		
Pre	Signal release (Toff)	-	-	After 0.7±0.2sec from installation position adjustment section green LED lighting		
Lead wire length		1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire	1m (oil resistant vinyl cabtire	
		cable 3 conductor 0.2mm ²)	cable 4 conductor 0.2mm ²)	cable 3 conductor 0.2mm ²)	cable 4 conductor 0.2mm²)	
Maximum shock resistance		100MΩ and over with 500 VDC megger				
Insulation resistance		No failure impressed at 1000 VAC for one minute				
Withstand voltage		980m/s²				
Ambient temperature		-10 to + 60°C				
Protective structure		IEC standards IP67, JIS C0920 (water tight type), oil resistant				
Weight		1m: 30g 3m: 90g 5m: 140g				

	Strong
T Series	magnetic
	field proof

SCG, SCA2, JSG, JSC3, SCS, STG, STS/STL, SRM, CAC3, SRL2, SRG, SRT, SRB2, SSD, SCM, STK, UCAC



Refer to Intro 21 for details.



Coolant Application proof

SRL2-J, CMK2-G2/3, SCG-G2/ 3, SCA2-G2/3, SSD-G2/3, STG-G2/3, STS/L-G2/3, HRL-G2/3



Refer to Intro 21 for details.



T2YD

Specification (
Descriptions	Proximity 2 wire				
Descriptions	T2YD	T2YDT			
Applications	Programmable controller				
Light	Red/green LED (ON lighting)				
Load voltage	24 VDC ±10%				
Load current	5 to 20mA				
Internal voltage drop	6V or less				
Leakage current	1.0mA or less				
Output delay time (Note 1)	30 to 60mS				
(ON/OFF delay)					
	1m (oil resistant vinyl cabtire cable	1m (flame resistance vinylcabtire			
Lead wire	2 conductor 0.5mm ²) (standard)	cord 2 conductor 0.5mm²) (option)			
Insulation resistance	100MΩ and over with 500 VDC megger				
Withstand voltage	No failure impressed at 1000 VAC for one minute				
Max. shock resistance	980m/s²				
Ambient temperature	-10 to + 60°C				
Protective structure	IEC standards IP67, JIS C0920 (water tight type), oil resistant				
Weight	1m: 60g 3m: 170g 5m: 270g				

Note 1: This shows the time from magnetic sensor detects piston magnet until outputs a signal.

Note 2: This switch is not available in direct-current magnetic field.

Note 3: When installed on SCS or JSC3, model no. is T2YDP.



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T*YLH

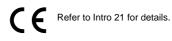
Specifications -					
Proximity 2 wire	Proximity 3 wire				
T2YLH, T2YLV	T3YLH, T3YLV				
Programmable controller	Programmable controller, relay				
-	NPN output				
-	10 to 28 VDC				
10 to 30 VDC 5 to 20mA	30 VDC or less 50mA or less				
-	10mA or less with 24 VDC (ON lighting)				
4V or less	0.5V or less				
1mA or less	10 μA or less				
Red/green LED (ON lighting)					
Oil resistant vinyl cabtire cable	Oil resistant vinyl cabtire cable				
0.3mm ² , 2 conductor 1m	0.2mm², 3 conductor 1m				
100MΩ and over with 500 VDC megger					
No failure impressed at 1000 VAC for one minute.					
980m/s²					
1.5mm or less					
-10 to + 60°C					
IEC standards IP67, JIS C0920(water tight type), oil resistant					
1m: 30g 3m: 90g 5m: 140g					
	Proximity 2 wire T2YLH, T2YLV Programmable controller 10 to 30 VDC 5 to 20mA - 4V or less 1mA or less Red/green LEI Oil resistant vinyl cabtire cable 0.3mm², 2 conductor 1m 100MΩ and over wi No failure impressed at 1 980 1.5mm -10 to 1 IEC standards IP67, JIS C092				

V Series

Small strong magnetic field proof

Application cylinder

SSD-L4, USSD-L4



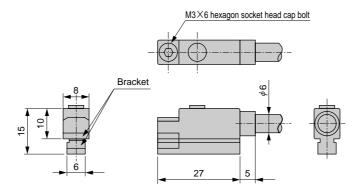


Specifications

Opcomeations					
Descriptions	Reed 2 wire				
Descriptions	V0		V7		
Applications	Relay, programmable controller				
Load voltage	12/24 VAC	110 VAC	24 VDC		
Load current	5 to 50mA	7 to 20mA	50mA or less		
Internal voltage drop	2.4V or less (load current 40mA)		0V		
Light	LED (ON lighting)		LED (OFF lighting)		
Leakage current	0mA		1mA or less		
Lead wire	1m (flame resistance cabtire cable 2 conductor 0.5mm²)				
Insulation resistance	100M Ω and over with 500 VDC megger				
Withstand voltage	No failure impressed at 1000 VAC for one minute				
Maximum shock resistance	294m/s ²				
Ambient temperature	-10 to + 60°C				
Protective structure	IEC standards IP67, JIS C0920 (water tight type), oil resistance				
Weight	1m: 60g 3m: 160g 5m: 260g				

Dimensions

V Series (strong magnetic field proof)



Switch internal circuit diagram

