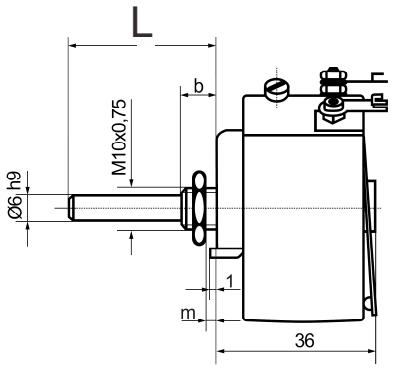
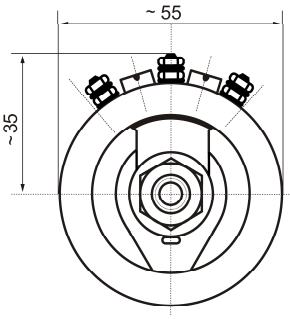
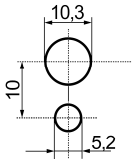
Dimensions



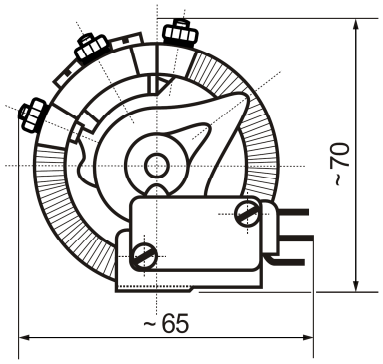


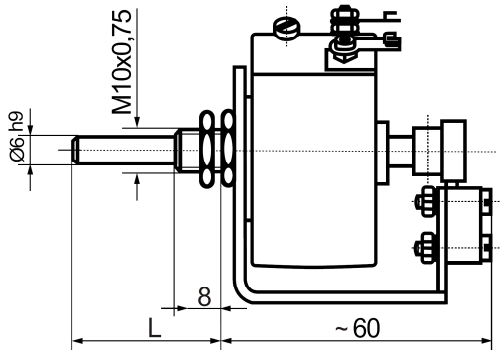
Panel mounting



Constructions

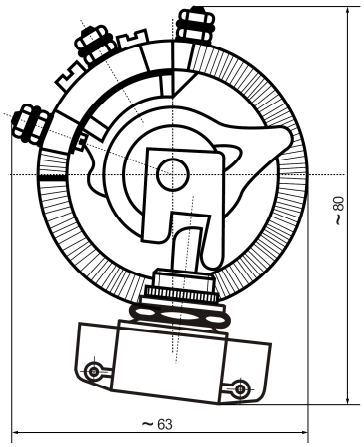
With micro switches

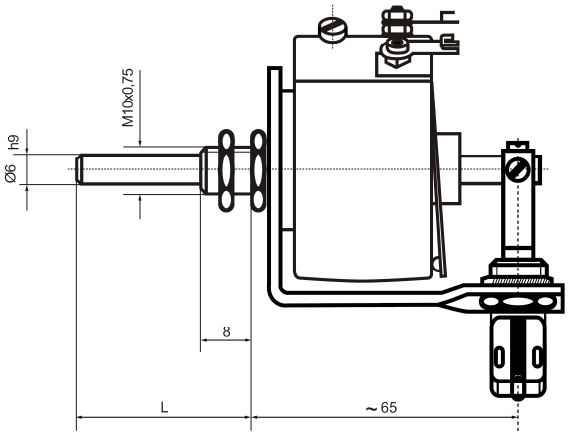




Order designation : D55/40W MSCH ···R(K) L = ···mm

With built-on toggle switches



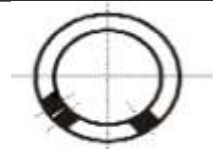


Order designation : D55/40W KSCH ···R(K) L = ···mm

Reference Standards

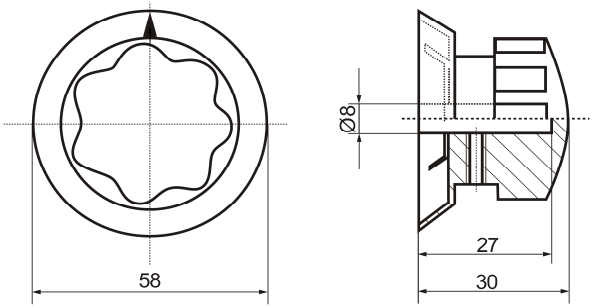
JIS C 5201-1

Wiper-interruptors

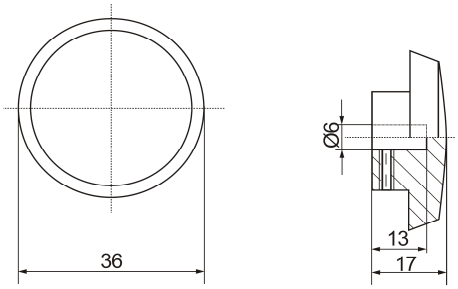
Interrupts before left stop	Wiper isolated in end position	SCH A 
	With special end piece wiper connects the gap	SCH B 
	With special end piece wiper does not connect the gap	SCH C 
Interrupts before right stop	Wiper isolated in end position	SCHD 
	With special end piece wiper connects the gap	SCH E 
	With special end piece wiper does not connect the gap	SCH F 

Accessories and special versions

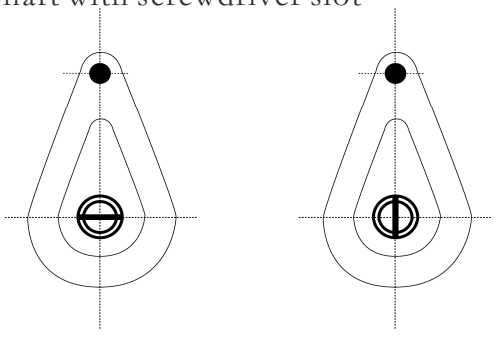
Knobs



Knobs



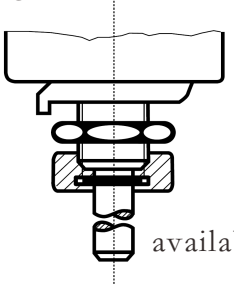
Shaft with screwdriver slot



SS perpendicular to wiper

SP parallel

Locking device



available: D 40 / 20 W

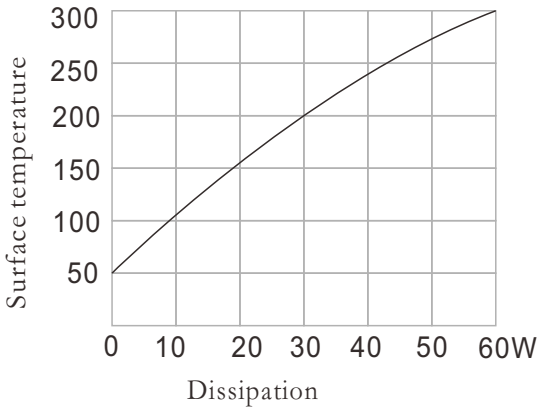
ELECTRICAL SPECIFICATIONS

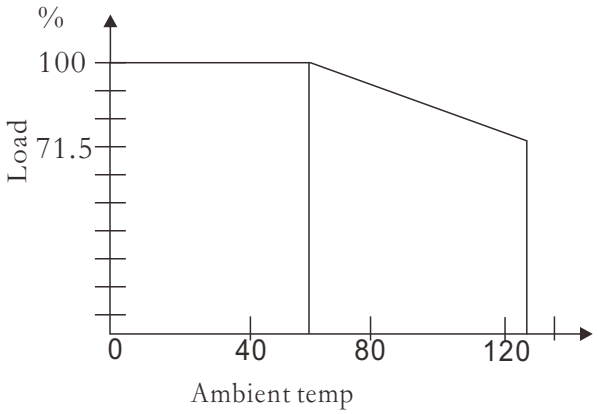
Style	Normal types		Special types
Shaft length L from mounting surface :	35 ±1 mm		16/18/20/22/24/26
Bush length b :	10 ±1 mm		5,5 ±1 mm
Panel thickness m :	max. 6 mm		max. 2 mm
Shaft diameter dØ	6Ø h9		4Ø h9
Wiper:	Silver	R ⩾ 10K Carbon	Gold, silver, carbon
Terminals:	Solder lugs, tinned		Nuts M3 and washers
Angle of rotation between stops:	280° -		
Angle of rotation on winding:	270°		Partially short-circuited winding
Coating:	Phosphate cement		
Characteristic:	linear		max. 3 sectors
Contact pressure:	0,6 – 2,0 N		
Torque:	1,0 – 4,0 N cm		
Max. torque for mounting:	200 N cm		
Max. torque at stop:	80 N cm		
Weight:	ca. 140 g		

Resistance range:	CuNi 10 1) 1R0 - <4R7	CuNi 44 ⩾4R7 - ⩽1K0	NiCr 6015 >1K0 – 39K
Resistance range	K (± 10%) CuNi 10 / CuNi 44 / NiCr 6015 J (± 5%) CuNi 44 / NiCr 6015		
Dissipation at amb.temp.of 40℃ and surface temp of :	100℃ 150℃ 200℃ 250℃ 300℃ 8 W 17 W 30 W 44 W 63 W Fitted to a metallic board, otherwise derating 70%		
Temperature coefficient in 10 -6 /° C :	CuNi 10 +350···+450	CuNi 44 -80···+50	NiCr 6015 +100···+200
Insulation resistance :	⩾100 MΩ		
Test voltage :	2000 V	50 Hz	
Damp heat :	Insulation resistance ⩾10 MΩ		

Special types	Order designation	Further information
With isolated wiper in start or end position	SCH A SCH D SCH B SCH E SCH C SCH F	Siehe Seite 4 See page 4 Voir page 4
With screwdriver slot	SS oder/or/ou SP	Siehe Seite 5 / See page 5 Voir page 5
Locking device	FSV	Siehe Seite 5 / See page 5 Voir page 5
Tapping	AZ···°	
Sector winding	SW	
Carbon contact	KK	
Contact of precious metal (gold)	GK	
Increased contact press.	VK	
Screw terminations	SA	
Push terminals	FSTA	

Derating Curve





The curve below shows the surface temperature o
dependent on the load at an ambient temperature u=40℃

Types of options

Potentiometer with mounted toggle switches or micro switches			
The following types are available			
Toggle switch:	KSCH - AE 1 P KSCH - AE 2 P KSCH - AA 1 P KSCH - AA 2 P KSCH - AU 1 P KSCH - AU 2 P KSCH - EE 1 P KSCH - EE 2 P KSCH - EA 1 P KSCH - EA 2 P KSCH - EU 1 P KSCH - EU 2 P	Microrupteur:	MSCH - AS MSCH - ES MSCH - AO MSCH - EO MSCH - AW MSCH - EW

Definition:

KSCH Toggle switch

A: Initial switch, actuated at left stop (viewed from knob)

E: Limit switch, actuated at right stop.

A: Break switch E: Make switch A: Change-over switch contact

1P: Single pole 2P: Double pole

KSCH Micro switch

A: Initial switch, actuated at left stop (viewed from knob).

E: Limit switch, actuated at right stop.

O : Break switch S: Make switch W: Change-over switch contact