

CONTROL BOXES KS

DATA SHEET

no: KK-K_KS



The KS type control boxes are intended for the controlling of telfhers, machine tools, remotely controlled machines and equipment, and other electric circuits that operate under the maximum switching voltage of 400V, 50...60Hz AC or 220V DC.

The design of control boxes is based on a segment structure, which enables increasing the amount of specific control elements.

Control boxes can be installed in closed rooms that are free from explosive dusts, gases, and vapours, both flammable and chemically active.

Control boxes can be delivered in the following climatic designs:










- standard (for moderate climate),
- special (for tropical climate).

TECHNICAL DATA:









Parameter	Value
Rated insulation voltage U_i	400V 50...60 Hz
Rated switching voltage U_e	400V 50...60 Hz 220V DC
Rated impulse withstand voltage U_{imp}	2,5 kV
Signaling voltage - Bulb - LED	12, 24V AC/DC 24V AC/DC, 230V AC
Type of cap for the signaling element	BA9s
Rated thermal current I_{the}	10A
Rated switching current I_e Utilisation category	AC4 $U_e = 400 V$ AC15 $U_e = 400 V$ DC13 $U_e = 220 V$
Electrical endurance	AC4 $U_e = 400V I_e = 2A$ AC15 $U_e = 400V I_e = 1A$ DC13 $U_e = 220V I_e = 0,16A$
Rated frequency of switching	600t/h
Mechanical life	1x10 ⁶
Ambient temperature	-20... +70°C
Protection class	IP 65
Cross-sections of terminals	Cord Wire
Diameter of connecting cable	10 ... 30 mm
Push screws	Main circuits Protective terminal
Maximum force acting on the button	30N
Type of material - 825 high-impact polystyrene	Impact resistance of samples with a notch, acc. to CHARPY – min. 6.5kJ/m ²

The product conforms to the following standard PN-EN 60947-5-1.

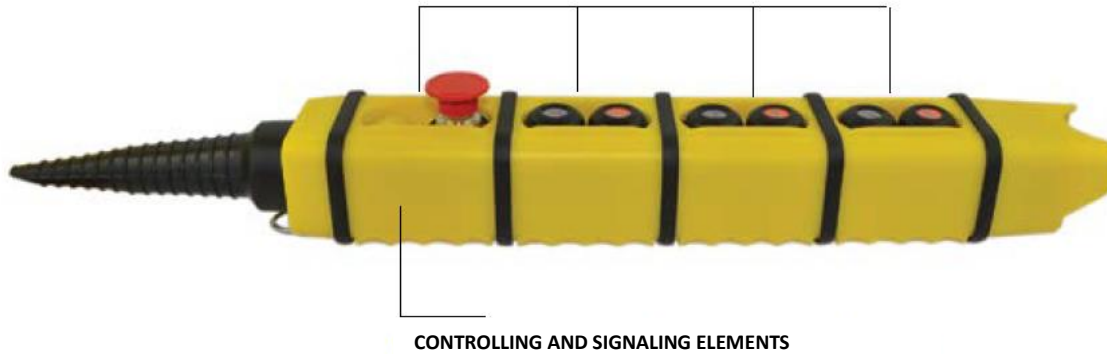
CONTROL BOXES - STANDARD DESIGNS








Type	Designation	
KS-1	KS1-1-2-35	
KS-2	KS2-1-2-45.35	
KS-21	KS2-1-2-21.35	
KS-3	KS3-1-2-21.45.35	
KS-31	KS3-1-2-21.55.35	
KS-4	KS4-1-2-21.55.45.35	
KS-5	KS5-1-2-21.55.45.35	
KS-6	KS6-1-2-21.55.45.35.75.65	
KS-7	KS7-1-2-058S.21.55.45.35.75.65	



































CONTROL BOXES – WITH WIRING SYSTEM

Type	Designation	
KS-11	KS1-0-2-33	
KS-12a	KS1-0-2-35	
KS-13	KS1-1-2-33	
KS-14	KS1-2-2-35	
KS-23	KS2-0-2-33.43	
KS-24a	KS2-0-2-35.43	
KS-29	KS2-1-2-33.43	
KS-291	KS2-2-2-35.43	

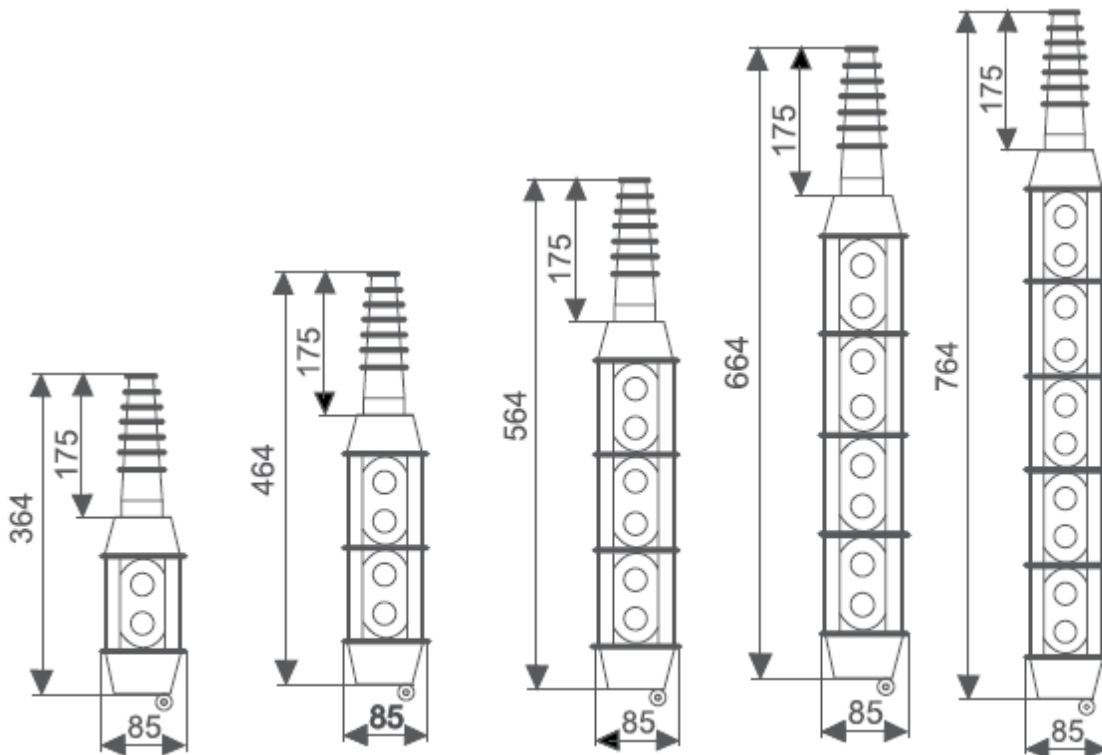
Type of control box	Type	Weight [kg]	
		One-stage boxes, no lock	Two-stage boxes, no lock
KS-1	Single-element control box	0,55	0,57
KS-2	Double-element control box	0,78	0,82
KS-3	Three-element control box	1,03	1,09
KS-4	Four-element control box	1,35	1,43
KS-5	Five-element control box	1,62	1,72
KS-6	Six-element control box	1,85	1,97
KS-7	Seven-element control box	2,25	2,39

CONTROL ELEMENTS FOR THE PRIMARY AND AUXILIARY MOVEMENTS

TYPE OF ELEMENTS

CONTROL ELEMENTS FOR THE PRIMARY AND AUXILIARY MOVEMENTS	
Type of lamp or control button	Symbol
Signal lamp with a bulb	
Signal lamp with LED	
Sound signal button	
Palm button	
Emergency control button (Interlocked palm button)	
Button with lock-operated drive	
Button with knob-operated drive	

CONTROLLING AND SIGNALING ELEMENTS				
Control		One control speed Single-stage buttons		Two control speeds Two-stage buttons
Main switch	Start			
	Stop			
		Slow	Fast	
Lifting mechanism	Up			
	Down			
Bridge travel mechanism	Right			
	Left			
Carriage travel mechanism	Forward			
	Backward			
Mechanism for the change of reach	Larger			
	Smaller			
Slewing mechanism	Right			
	Left			

DIMENSIONS



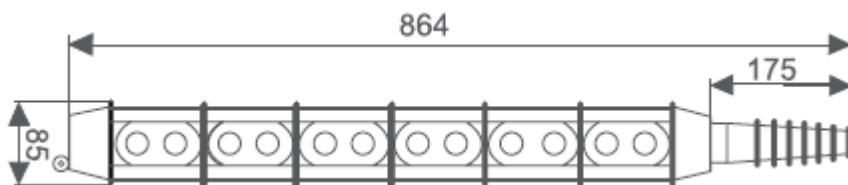
KS-1

KS-2

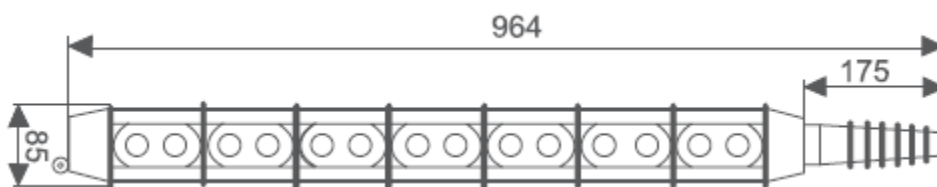
KS-3

KS-4

KS-5



KS-6



KS-7