

KNX ACTUATORS for drives or multifunctional

NAME	KNX S4-B10 230 V	KNX S4	KNX S2-B6 230 V	KNX S2	KNX S1-B2 230 V	KNX S1-BA4	KNX S4-B12 24 V	KNX S2-B6-AP	KNX S1R-BA4-UP	KNX S1R-BA2-UP	KNX S1R-UP	KNX S1R-BA4-UP 24 V	KNX S1E-BA4-UP 230 V	KNX S1E-BA2-UP 230 V	KNX S1E-UP 230 V	KNX S1E-BA4-UP PS	KNX S1R-B4 compact	KNX RF S1R-B2 compact
Item number	70530	70540	70531	70541	70532	70514	70533	70538	70513	70512	70511	70516	70519	70518	70517	70515	70550	70715
Housing	DIN-rail 6U	DIN-rail 6U	DIN-rail 6U	DIN-rail 3U	DIN-rail 3U	DIN-rail 3U	DIN-rail 6U	on-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall
Pairs of buttons	4	4	2	2	1	1	4	–	–	–	–	–	–	–	–	–	–	–
Operating voltage	230 V AC	230 V AC	230 V AC	Bus	230 V AC	Bus	20...32 V DC	230 V AC	Bus	Bus	Bus	Bus	Bus	Bus	Bus	230 V AC	Bus	230 V AC
Channels	4	4	2	2	1	1	4	2	1	1	1	1	1	1	1	1	1	1
Multifunctional (per 1x up/down or 2x off/on)	✓	only up/down	✓	only up/down	✓	✓	only up/down	✓	✓	✓	✓	✓	✓	✓	✓	only up/down	✓	✓
Output voltage	230 V AC	potential-free	230 V AC	potential-free	230 V AC	potential-free	12...24 V DC pole reversal	230 V AC	potential-free	potential-free	potential-free	12...24 V DC pole reversal	230 V AC	230 V AC	230 V AC	24 V DC	potential-free	potential-free
Outputs switch	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	electronical	electronical	electronical	electronical	mechanical	mechanical
Separate voltage feed per channel	–	✓	–	✓	–	–	✓	–	–	–	–	–	–	–	–	–	–	–
Digital inputs	10	–	6	–	2	–	12	6	–	–	–	–	–	–	–	–	4	2
Digital/analogue inputs	–	–	–	–	–	4	–	–	4	2	–	4	4	2	–	4	–	–
Input voltage	6...80 V DC, 6...240 V AC	–	6...80 V DC, 6...240 V AC	–	6...80 V DC, 6...240 V AC	–	6...24 V DC	6...80 V DC, 6...240 V AC	–	–	–	–	–	–	–	–	–	–
Drives: runtime measurement	✓*	–	✓*	–	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	–
Dead time (also automatically)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Position feedback, position storage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Locking (Master/Slave)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Priority for safety functions, Priority manual/automatic adjustable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety objects per channel, with movement position	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Short term restriction (movement command blocked)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Movement restriction	2	2	2	2	2	–	–	2	–	–	–	–	–	–	–	–	–	–
Behaviour adjustable for bus voltage failure/recovery	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Shading, slat tracking	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–
Step command for slat turning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–
Window automation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–
Scenes	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Temperature thresholds	–	–	–	–	–	4	–	–	4	4	4	4	4	4	4	4	–	–
Automatic staircase lighting system	✓	–	✓	–	✓	✓	–	✓	✓	✓	✓	✓	✓	✓	✓	–	✓	✓

* consider minimum current