

# KNX ACTUATORS

NAME	KNX S4-B10 230 V 70530 (prior 70137)	KNX S4 70540	KNX S2-B6 230 V 70531 (prior 70381)	KNX S2 70541	KNX S1-B2 230 V 70532 (prior 70380)	KNX S1-BA4 70514 (prior 70204)	KNX S4-B12 24 V 70533 (prior 70138)	KNX S1R- BA4-UP 70513 (prior 70203)	KNX S1R- BA2-UP 70512 (prior 70202)
Housing	DIN-rail 6 units	DIN-rail 6 units	DIN-rail 6 units	DIN-rail 3 units	DIN-rail 3 units	DIN-rail 3 units	DIN-rail 6 units	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	24 V DC	Bus	Bus
Channels	4	4	2	2	1	1	4	1	1
Multifunctional (per 1x up/down or 2x off/on)	✓	only up/down	✓	only up/down	✓	✓	only up/down	✓	✓
Voltage outputs	230 V AC	potential-free	230 V AC	potential-free	230 V AC	potential-free	12...24 V DC polarity change	potential-free	potential-free
Outputs switch	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical
Separate voltage feed per channel	-	✓	-	✓	-	-	✓	-	-
Inputs digital	10	-	6	-	2	-	12	-	-
Inputs digital/analogue	-	-	-	-	-	4	-	4	2
Inputs analogue for temperature sensor	-	-	-	-	-	-	-	-	-
Voltage inputs	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	-	-
Drives: runtime measurement	✓*	-	✓*	-	✓*	✓*	✓*	✓*	✓*
Dead time (also auto.)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Positions feedback, Positions 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
Short term restriction (movement command blocked)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Movement restriction	2	2	2	2	2	-	-	-	-
Behaviour adjustable for bus voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Shading, Slat tracking	✓	✓	✓	✓	✓	✓	✓	✓	✓
Step command for slat turning	✓	✓	✓	✓	✓	✓	✓	✓	✓
Window automatic	✓	✓	✓	✓	✓	✓	✓	✓	✓
Scenes	16	16	16	16	16	16	16	16	16
Temperature thresholds	-	-	-	-	-	4	-	4	4

\* consider minimum current

KNX S1R- UP 70511 (prior 70201)	KNX S1R- BA4-UP 24 V 70533 (prior 70206)	KNX S1E- BA4-UP 230 V 70519 (prior 70209)	KNX S1E- BA2-UP 230 V 70518 (prior 70208)	KNX S1E-UP 230 V 70517 (prior 70207)	KNX S1E- BA4-UP PS 70515 (prior 70205)	KNX S-B4T- UP 230 V 70131	KNX S-B2- UP 230 V 70133	KNX S-UP 230 V 70135	KNX S-B4T- UP 24 V 70130	KNX S-B2- UP 24 V 70132	KNX S-UP 24 V 70134
in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall	in-wall
-	-	-	-	-	-	-	-	-	-	-	-
Bus	Bus	Bus	Bus	Bus	230 V AC	230 V AC	230 V AC	230 V AC	24 V DC	24 V DC	24 V DC
1	1	1	1	1	1	1	1	1	1	1	1
✓	Only up/down	✓	✓	✓	Only up/down	Only up/down	Only up/down	Only up/down	Only up/down	Only up/down	Only up/down
potential-free	12...24 V DC PW**	230 V AC	230 V AC	230 V AC	24 V DC	230 V AC	230 V AC	230 V AC	24 V DC polarity change	24 V DC polarity change	24 V DC polarity change
mechanical	mechanical	electronical	electronical	electronical	electronical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	4	2	-	4	2	-
-	4	4	2	-	4	-	-	-	-	-	-
-	-	-	-	-	-	1	-	-	1	-	-
-	-	-	-	-	-	-	-	-	-	-	-
✓*	✓*	✓*	✓*	✓*	✓*	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	5	5	5	5	5	5	5	5	5	5	5
✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	16	16	16	16	16	8	8	8	8	8	8
4	4	4	4	4	4	2	-	-	2	-	-