

ABB i-bus® KNX

Shading Control

- = Function is supported
- = Function is not supported

	Standard					SMI	
	JRA/S X.230.5.1	JRA/S 4.24.5.1	JRA/S X.230.2.1	JRA/S X.230.1.1	JRA/S 6.230.3.1	SJR/S 4.24.2.1	JA/S 4.SMI.1M
General							
Supply voltage	KNX	KNX	KNX	KNX	KNX	KNX	KNX
Nominal voltage	230 V AC	24 V DC	230 V AC	230 V AC	230 V AC	24 V DC	230 V AC
Auxiliary voltage	-	-	-	-	-	230 V AC	230 V AC
Type of installation	MDRC					MDRC	
Module width (18 mm)	2-fold: 4 4-fold: 4 8-fold: 8	4-fold: 4	2-fold: 4 4-fold: 4 8-fold: 8	2-fold: 4 4-fold: 4 8-fold: 8	6-fold: 12	4-fold: 4	4-fold: 4
Number of outputs	X = 2, 4, 8	4	X = 2, 4, 8	X = 2, 4, 8	6	4 x 4 SMI LoVo (broadcast)	4 x 4 SMI (broadcast)
Manual operation	■	■	■	-	-	■	■
Inputs							
Internal connection between Inputs and Outputs	-	-	-	-	■	-	-
Blind/shutter control; dimming and switching control; value sending	-	-	-	-	■	-	-
Manual functions							
Disable/enable manual operation	■	■	■	-	-	■	■
Status manual operation	■	■	■	-	-	■	■
Operating modes							
Control with slat adjustment (blinds, etc.)	■	■	■	■	■	■	■
Control without slat adjustment (shutters, awnings, etc.)	■	■	■	■	■	■	■
Ventilation flaps, switch mode	■	■	■	■	■	-	-
Direct mode							
Limit UP/DOWN/STOP	■	■	■	■	-	■	■
Slat adjustment	■	■	■	■	■	■	■
Position height/slat [0...255]	■	■	■	■	■	■	■
Preset Move to position/ Set position	■	■	■	■	-	■	■
Limited UP/DOWN	■	■	■	■	-	■	■
Enable limitation	■	■	■	■	-	■	■
Trigger travel detection	■	■	-	-	-	-	-
Trigger reference movement	■	■	■	■	■	-	-
8-bit scene	■	■	■	■	■	■	■

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Safety							
Wind/Rain/Frost alarm	■	■	■	■	■	■	■
Disable control	■	■	■	■	-	■	■
Forced operation (1-bit and 2-bit)	■	■	■	■	-	■	■
Reaction after bus voltage failure/ recovery, programming	■	■	■	■	■	■	■
Automatic mode							
Activation of automatic control	■	■	■	■	■	■	■
Position height/ slat position if sunny	■	■	■	■	■	■	■
Presence	■	■	■	■	-	■	■
Heating/Cooling	■	■	■	■	-	■	■
Overheat control	■	■	■	■	-	-	-
Enable/disable automatic control	■	■	■	■	■	■	■
Enable/disable direct operation	■	■	■	■	■	■	■
Status messages							
Height/slat [0...255]	■	■	■	■	■	■	■
Upper/lower end position	■	■	■	■	■	■	■
Operability	■	■	■	■	■	■	■
Automatic	■	■	■	■	■	■	■
Status byte (2-byte)	■	■	■	■	■	-	-
SMI	-	-	-	-	-	■	■
Positions/limit position	-	-	-	-	-	■	■
Auxiliary voltage	-	-	-	-	-	■	■
SMI Diagnostic byte	-	-	-	-	-	■	■
Various							
Automatic travel detection	■	■	-	-	-	-	-
Time-delayed switching of drives	■	■	■	■	-	■	■
Limit rate of telegrams	■	■	■	■	■	-	-
Transmission and switching delay	■	■	■	■	-	-	-
In operation function	■	■	■	■	■	-	-
Request status values	■	■	■	■	■	-	-
Extended setting options for drives and blinds/shutters	■	■	■	■	■	■	■
Total turning of slats after move down command	■	■	■	■	-	-	-
Position of slat after arriving on lower end position	■	■	■	■	■	■	■
Commissioning and diagnostic function							
Control and diagnosis via ABB i-bus® Tool	■	■	■	■	-	-	-
Binary Outputs							
Relay output 6 A (number of outputs)	x = 2, 4, 8	4	x = 2, 4, 8	x = 2, 4, 8	6	-	-
Forced operation	■	■	■	■	■	-	-
Time function							
Staircase lighting, flashing, On/Off delay	-	-	-	-	■	-	-
Logic	-	-	-	-	■	-	-
Scene	-	-	-	-	■	-	-