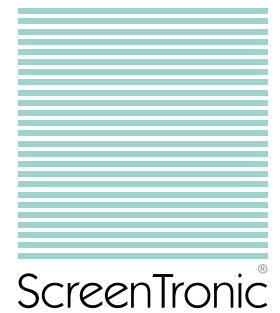


# ST3124

## KNX Blind Actuator DC 4-fold



The KNX Blind Actuator DC was developed especially for the control of blinds in insulating glass and for the control of DC motors with motor brake or hold function by output short circuit.

ScreenLine MB blinds with integrated ScreenTronic® SC motor control board or blinds with 24V DC motors are controlled via 2-pole control outputs with pole reversal.

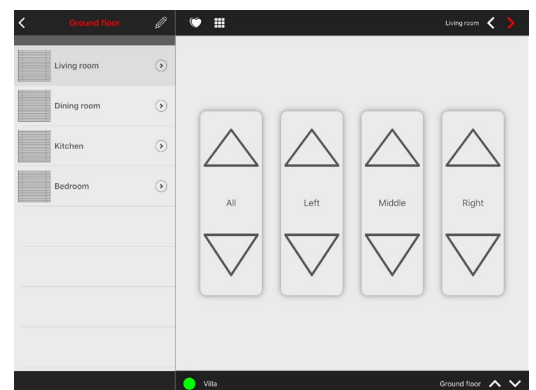
Up to 4 blinds can be combined per output, so that up to 16 blinds can be operated in 4 control groups with the KNX blind actuator (depending on the motor type).

The special control characteristics of the ScreenLine MB blinds are especially supported when controlling the outputs.

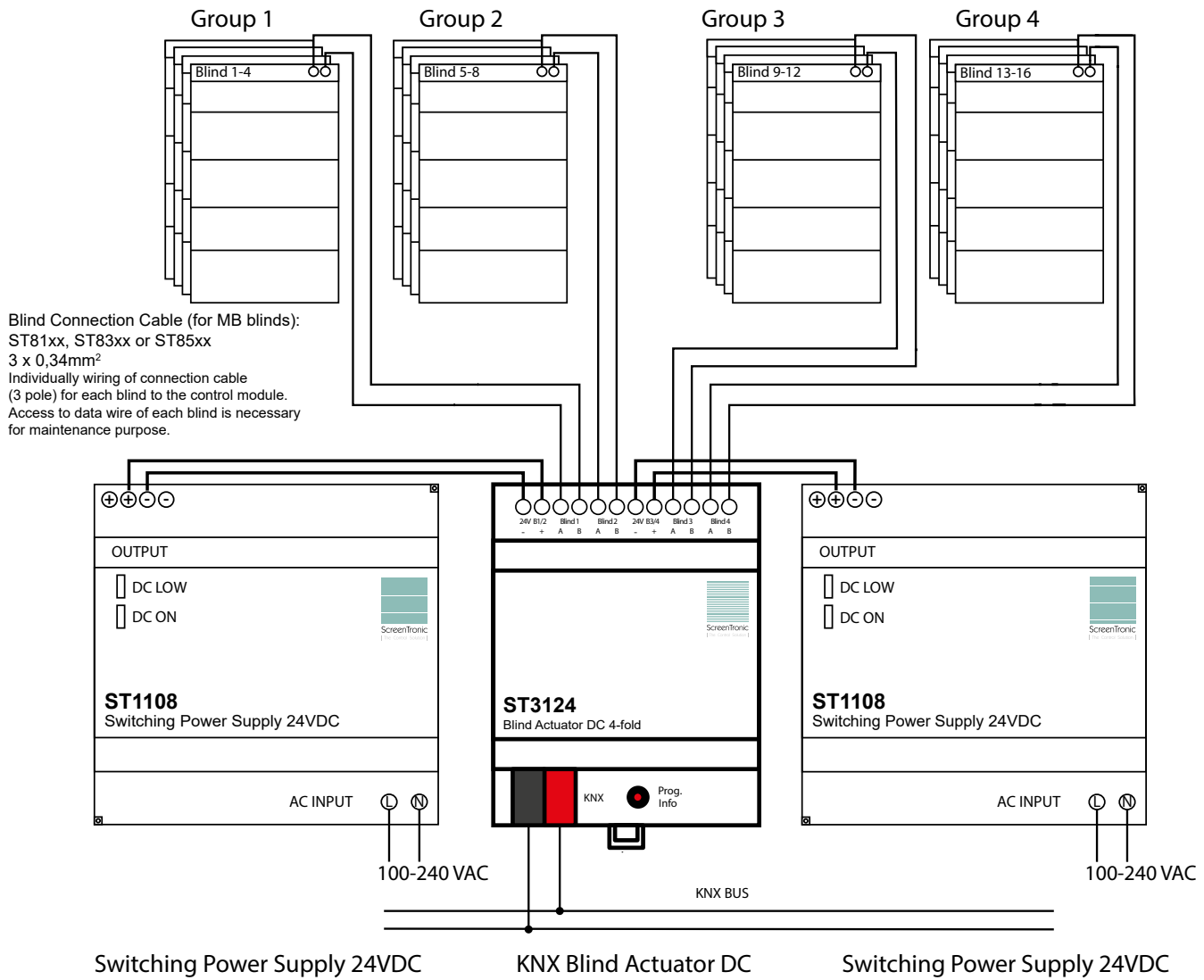
The control commands from KNX push buttons (local or central) and/or a KNX weather station are transmitted to the blind actuator via the KNX bus line. The control commands (up/down, stop/step, tilting) are available for each control group individually.

### Technical Features

- Operating modes:
  - Venetian blind
  - Venetian blind tilt only
  - Roller blind
- Electronic switching outputs (short time short-circuit-protected)
- Motor braking resp. holding function via output short circuit (optional only for direct DC motor control)
- Operating hours counter
- Central automatic control objects (can be deactivated by local control)
- Supply voltage: 24V DC SELV +/- 5%  
2 channels (1/2 and 3/4) each with a common supply connection
- Output load: max. approx. 1.8 A / max. approx. 2.5 A (peak) per output channel  
for MB blinds (with integrated electronic SC) and BLDC motor up to 4 blinds  
for DC blinds (e.g. maxon A-max 24V DC / 6 W motor) up to 3 blinds



# ST3124 KNX Blind Actuator DC 4-fold



Connection-No.	Designation	Description	Comments
1	24V B1/2 -	GND (blind group 1/2)	Power supply for blind group 1 and 2
2	24V B1/2 +	+24V DC (blind group 1/2)	
3	Blind 1 A	Blind group 1 A	Blind group 1 (max. 4 MB blinds)
4	Blind 1 B	Blind group 1 B	
5	Blind 2 A	Blind group 2 A	Blind group 2 (max. 4 MB blinds)
6	Blind 2 B	Blind group 2 B	
7	24V B3/4 -	GND (blind group 3/4)	Power supply for blind group 3 and 4
8	24V B3/4 +	+24V DC (blind group 3/4)	
9	Blind 3 A	Blind group 3 A	Blind group 3 (max. 4 MB blinds)
10	Blind 3 B	Blind group 3 B	
11	Blind 4 A	Blind group 4 A	Blind group 4 (max. 4 MB blinds)
12	Blind 4 B	Blind group 4 B	
13	KNX	KNX -	KNX Connection (black)
14		KNX +	KNX Connection (red)

Dimensions	Designation	Order number
DIN rail 4 modules	KNX Blind Actuator DC 4-fold	ST3124
72 x 90 x 60 mm (W x H x D)		