



SMARTFILM SPECIFICATION

(technical details and accessories)

SMARTFILM SPECIFICATION

Product	SFI_AD_1	
Color	White, Grey, Darkgrey, Black	
Applications	Adhesive Smart Film offers privacy on demand by adjusting the amount of light transmitted through your window (PDLC Film)	
Optical Parameter	Off (no power)	On (power)
Transmission	92%	82%
Haze	N/A	<7%
Electrical Parameter		
Operating	-	65VAC
Max. Consumption	-	<5W/h/m ²
Response Time	34ms	10ms
Temperature Parameter		
Working	-20°C bis 70°C	
Measurements		
Thickness	0,389mm +/-0,01mm	
Roll (length)	20.000mm	
Roll (width)	1,5m	

Smart Film is a Liquid Crystal (LC) based emulsion encapsulated between two plastic substrates (PET) coated with transparent conductive layers (ITO). When no electrical field is applied (Off State) the smart film looks milky white and upon applying an electrical field (On State) the Liquid Crystal droplets align in the same direction and the smart film becomes transparent.

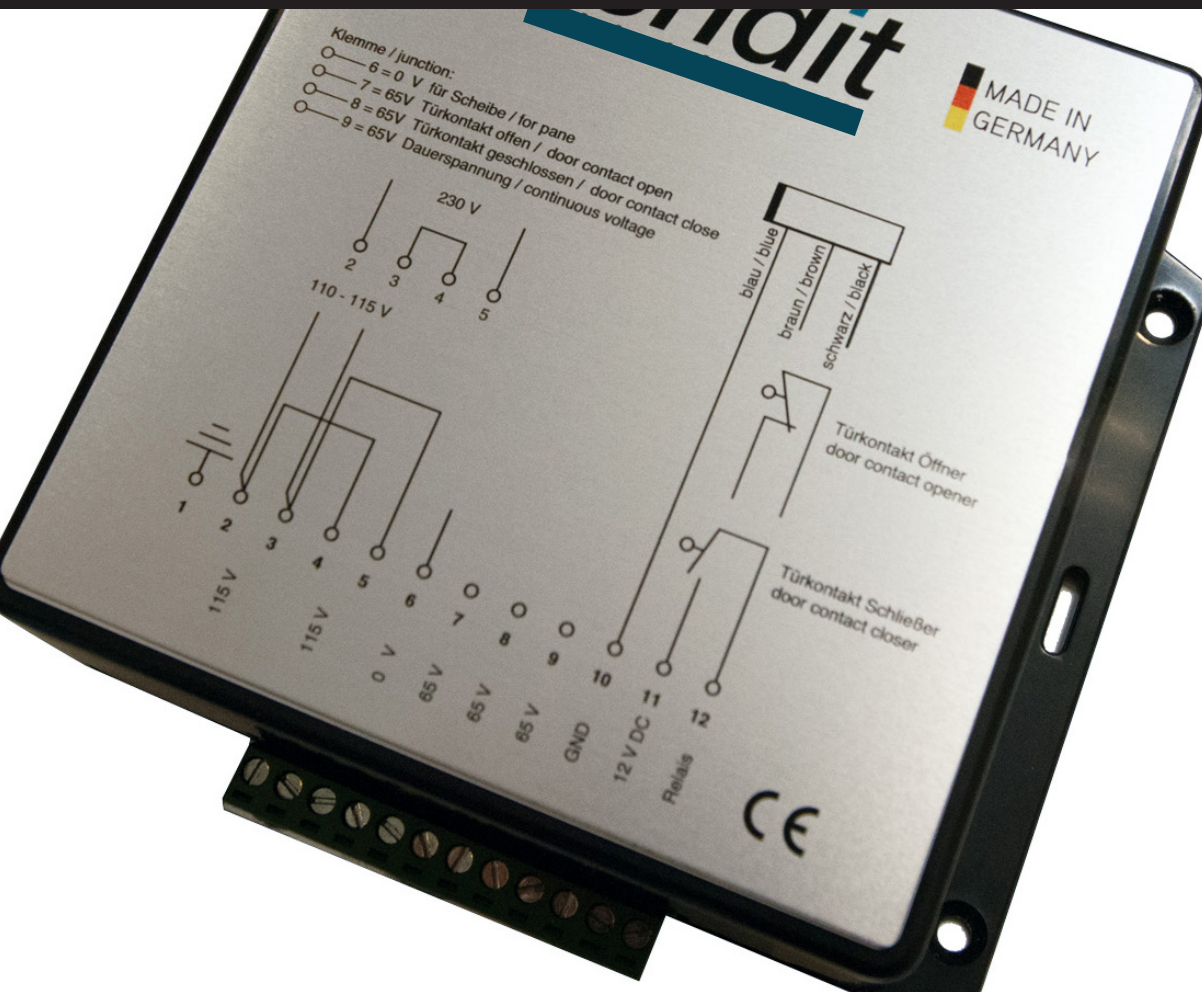
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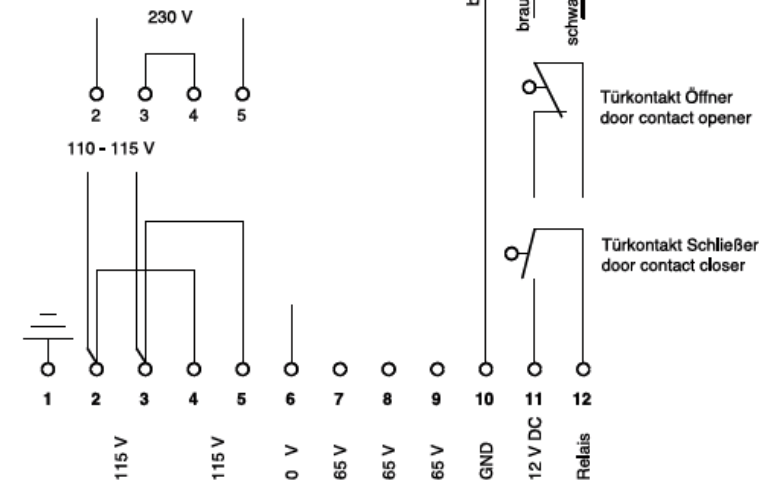
POWERBOX - SmartTransformer

(SmartFilm, SmartGlass)



Klemme / junction:

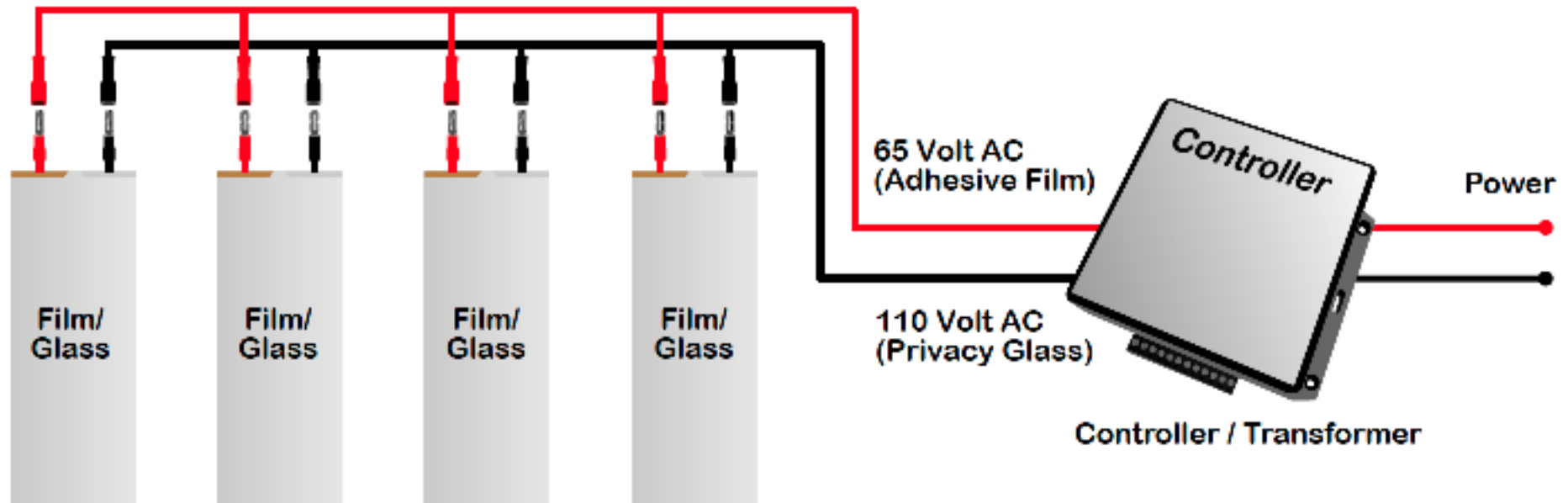
- 6 = 0 V für Scheibe / for pane
- 7 = 65V Türkontakt offen / door contact open
- 8 = 65V Türkontakt geschlossen / door contact close
- 9 = 65V Dauerspannung / continuous voltage



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SMARTFILM/SMARTGLASS CONTROLL

(Electronical Example)



Electronical Example: *You can controll the Power with any kind of Powercontroll (RF, Switch, Media Management Crestron, AMX ...)*

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SMARTFILM TOUCH/SWITCH

(Black, White, Remote)



- *Touch-Switch, with or without Remotecontroll*
- *110/220V / AC*
- *1,2,3 Way Controll / Glass Surface / Black or White*
- *Waterproof*

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