

LSS



PowerSwitch 2 12x20A

DMX/Profibus-DP-actuator with RDM and current monitoring

The LSS *PowerSwitch 2 12x20A* is a RDM-capable 12-channel switching actuator for electrical devices with a supply of 230V AC and 4600W maximum power per channel. The control can be done either via DMX or Profibus-DP and provides an optional current monitoring for each channel. The configuration is also made via Profibus-DP and DMX/RDM. The basic settings of the LSS *PowerSwitch 2 12x20A* can also be made local by using two push buttons and the 7-segment-display.

The LSS *PowerSwitch 2 12x20A* offers an optional single current monitoring at each load circuit. At the circuit breaker the current values are monitored by sensors and send to the actuator. Via RDM the actuator sent the results to the user, where the values will be analyzed or shown. For this circuit breaker by ABB are recommended.

The LSS *PowerSwitch 2 12x20A* is equipped with bistable, high performance relays. Each relay is controlled via data signal remotely or local manually. If the relays are switched remotely, the switch position can be shown via RDM. Local the switch position is for direct reading.

The LSS *PowerSwitch 2 12x20A* is designed for rail-mounting on DIN Rails (35mm/12HP) in distribution boards, junction box and channels etc.

Technical Specification:

Terminal connection and cross section	Connection	Rigid in mm²	Flexible in mm²	Ferrule in mm²	
				Without plastic sleeve	With plastic sleeve
	DMX	0,14...1,5	0,14...1,5	0,25...1,0	0,25...1,5
	Operating voltage	0,14...2,5	0,14...2,5	0,25...2,5	0,25...1,5
	Stage circle	0,2...6,0	0,2...4,0	0,25...4,0	0,25...4,0
	Profibus-DP	M12-Plug-In Connector			
CMS	See also ABB CMS Systems.				
Switch capacity	Resistive load:		up to 4600 W		
	Inductive load:		up to 2000 VA		
	Capacitive load:		up to 2500 W (200 µF)		
Power supply control	Operating voltage:		24V DC		
	Operating current:		< 2,0A		
	Quiescent current:		< 0,15A		
Indication	4x LED and 1x 7-Segment-Display				
Operating temperature	0° to 40°C, not condensed Measured when stage cables of 4.0 mm ² where used.				
Storage temperature	-40° to 70°C				
Protection class	IP 20				
RoHS	Conform				
Recommended circuit breaker for current monitoring	<ul style="list-style-type: none"> • ABB pro M compact & SMISLINE with dual connector, • ABB S800 with cage clamp • Other circuit breaker with dual connector 				
Dimensions (L x W x H in mm)	216 x 58 x 91				
Weight	800 g				
Mounting	DIN Rail 35 mm (DIN 50022), vertical spacing 150 mm				
Order number	5248				