

LSS



PowerSwitch 2 12x20 A

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

The LSS PowerSwitch 2 12x20 A is an RDM-capable 12-channel switch actuator. Loads with 230 V AC and up to 4600 W per channel can be switched per channel. Each channel can optionally be equipped with a current monitor.

The LSS PowerSwitch 2 12x20 A can be controlled either via DMX or Profibus-DP. The configuration is made simply locally using the push button and seven-segment display. The switch actuator can be configured remotely via DMX. Status feedback and measurement results are sent via RDM or Profibus-DP.

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 function, circuit breakers 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 locally 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 (35 mm/12 HP) in distribution boards, junction box, and channels, etc.

Technical Specification:

Terminal connection and cross section	Connection	Solid in mm ²	Flexible in mm ²	Ferrule in mm ²	
				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:		24 V DC		
	Operating current:		< 2,0 A		
	Quiescent current:		< 0,15 A		
Indication	4x LED and 1x seven-segment display				
Operating temperature	0 °C to 40 °C, not condensed Measured when cables of 4.0 mm ² where used.				
Storage temperature	-40 °C to 70°C				
Protection class	IP 20				
RoHS	Approval				
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 breakers with dual connector 				
Dimensions (L x W x H)	216 x 58 x 90,5 mm				
Dimensions for installation rack	150 mm in grid dimension 12 HP				
Weight	800 g				
Mounting	DIN Rail 35 mm (DIN 50022), vertical spacing 150 mm				
Order number	5248				