

LSS



PowerSwitch 2 6x20A 16DI/16DO

DMX/Profibus-DP actuator, RDM ready, current monitoring and digital interfaces

LSS PowerSwitch 2 6x20A 16DI/16DO is a 6 relay channel actuator with digital interfaces for electrical devices and sensors. Up to 16 devices (24V DC/500mA) can trigger and another 16 sensor signals (24V) can process by all 32 interface channels.

The actuator LSS PowerSwitch 2 6x20A 16DI/16DO has 6 relay channels. Each channel has maximum performance of 4600W/230V AC and can be triggered via DMX or Profibus-DP. An optional current monitoring for each load channel is possible. Sensors at every circuit breaker monitor the current and send feedback signals to the actuator. All these signals can be shown on a control touch panel, e.g. LSS Digital Slave Console, at light control. Circuit breakers by ABB will be approved for current monitoring.

LSS PowerSwitch 2 6x20A 16DI/16DO is RDM-ready and can be remote controlled. Basic adjustments can be made directly at the device too. For this two front buttons and a seven-segment display are installed.

LSS PowerSwitch 2 6x20A 16DI/16DO is equipped with six bi-stable high performance relays. Each relay is switchable direct at the device or remote via data signal. Switch position are shown on the touch panel via RDM or directly on device.

LSS PowerSwitch 2 6x20A 16DI/16DO is a rail-mounted device for 35mm DIN rails.

Technical Specifications:

General

Lamps and display	4x LED and seven-segment display
Allowed ambient temperature	0° to 40°C, not-condensing Only when 4,0 mm ² cables are used!
Storage temperature	-40° to 70°C
Protection class	IP 20
ROHS compliant	yes
Approved circuit breakers for current monitoring	<ul style="list-style-type: none">• ABB pro M compact & SMISLINE with dual connector• ABB S800 with increased opening• Other circuit breakers with dual connector
Voltage and power supply device	Operating voltage: 24V DC Operating current: 8A to 10A (according to loads at Digital Out) Standby current: < 0,15A plus loads at Digital Out
Dimension (L x B x H in mm)	216 x 58 x 91
Weight	800 g
Installation	On 35 mm DIN rail (DIN 50022), vertical norm distance 150 mm, 12 HP
Order number	5348

Digital Interfaces

Connectors In and Out	Each with 1x spring-cage connector PHOENIX DFMC 1,5/10-ST-3,5
Connection Digital Out	Operating voltage: 24V DC Operating current per channel: up to 500mA Operating current all channels: up to 8A
Connections Digital In	Operating Voltage: 24V DC Switching threshold: up to 5V inactive from 14V active

Relay channel and Control

Terminal connections and conductor cross-section	Connector	Rigid in mm²	Flexible in mm²	Ferrule in mm²	
				Without plastic collar	Plus plastic collar
	DMX	0,14...1,5	0,14...1,5	0,25...1,0	0,25...1,5
	Power supply	0,14...2,5	0,14...2,5	0,25...2,5	0,25...1,5
	Load connectors	0,2...6,0	0,2...4,0	0,25...4,0	0,25...4,0
	Profibus-DP	M12-Connector			
	CMS	See ABB CMS System.			
Switching 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			
	Standby current:	< 0,15A			