

# LSS



## **PowerSwitch 2 6x20A 16DI/16DO** DMX/Profibus-DP actuator, RDM ready, current monitoring and digital interface

LSS PowerSwitch 2 6x20A 16DI/16DO is a 6 channel relay actuator with digital interfaces for electrical devices and sensors. Up to 16 devices (24 V DC/500 mA) 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 4600 W/230 V 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

<b>Lamps and display</b>	4x LED and seven-segment display
<b>Allowed ambient temperature</b>	0 °C to 40 °C, not-condensing Only when 4,0 mm <sup>2</sup> cables are used!
<b>Storage temperature</b>	-40 °C to 70 °C
<b>Protection class</b>	IP 20
<b>ROHS compliant</b>	Approval
<b>Approved circuit breakers for current monitoring</b>	<ul style="list-style-type: none"><li>• ABB pro M compact &amp; SMISLINE with dual connector</li><li>• ABB S800 with increased opening</li><li>• Other circuit breakers with dual connector</li></ul>
<b>Voltage and power supply device</b>	Operating voltage: 24V DC Operating current: 8A to 10A (according to loads at Digital Out) Standby current: < 0,15A plus loads at Digital Out
<b>Dimension (W x D x H)</b>	216 x 58 x 90,5 mm
<b>Weight</b>	800 g
<b>Installation</b>	On 35 mm DIN rail (DIN 50022), vertical norm distance 150 mm, 12 HP
<b>Order number</b>	5348

### Digital Interfaces

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

### Relay channel and Control

Terminal connections and conductor cross-section	Connector	Solid in mm <sup>2</sup>	Flexible in mm <sup>2</sup>	Ferrule in mm <sup>2</sup>	
				Without plastic sleeve	With plastic sleeve
	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:	24 V DC
	Operating current:	< 2,0 A
	Standby current:	< 0,15 A