

LSS



NonDim Duct

The LSS NonDim Duct is a remotely switchable power distributor in a duct design. It is developed for the decentralized power supply of lighting systems with 230 V / 16 A. Up to twelve load circuits can be supplied and switched simultaneously. It is supplied with 400 V / 32 A. Other specifications are possible on request.

An LSS PowerSwitch 2 12x20A, a high-performance switching actuator with bistable, polarized relays, is used for the switching operations. Each load circuit is individually fused with 16 A. Optionally, it is possible to monitor the current of each load circuit. The corresponding values can be displayed on light consoles or digital slave consoles.

The LSS NonDim Duct is controlled via an LSS MasterPort 2. The powerful network node constantly monitors the functions of the power distributor and reports them back. The values can also be called up on-site via the MasterPort 2 display.

The LSS NonDim Duct is designed as a single device and built into the duct profile of an LSS Multifunctional duct 250x140. The load connections of the LSS NonDim Duct are located on the lid. The device can also be used as a form-fitting part in a cable duct. Then it fits optically into the device alignment.

Technical Specifications:

NonDim Duct

General specifications

EMV-Standards	EN 55022, class B, FCC part 15, level B
Power supply	Connection cable with IEC 60309 connector (400 V/32 A – 63 A) or fixed connection via internal terminals
Power consumption	max. 50 A per phase
IP Code/Appliance class	IP20/Class 1

Case	Extruded aluminum profile, black anodized (other colors on request).
Ambient temperature	0 °C – 40 °C
RoHS	Approval
Dimension (L x H x T)	950 x 140 x 250 mm
Weight	15kg

Load connectors

Multipin-connector	16pin+ PE (250 V/16 A)
IEC 60309 connectors	3pin (230 V/16 A)
Others	CEE 7/4, CEE 7/7 (230 V/16 A) DBS (230 V/16 A) (other connectors on request)

Data interface

Ethernet	1x RJ45
DMX	Via LSS MasterPort 2

MasterPort 2

Connectors Frontside

DMX:	4x 5pin XLR, electrically isolated
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Network

Supported network protocols	- sACN - AVAB-IPX	- Art-Net 4/RDM-Net - AVAB/IPX	- ShowNet
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Material

Front panel	Aluminum, blue anodized
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PowerSwitch 2 12x20A

Switch current	AC3 operation ($\cos\varphi=0,45$) acc. to DIN EN 60 947-4-1: 16 A/230 V AC AC1 operation ($\cos\varphi=0,8$) acc. to DIN EN 60947-4-1: 16 A/20 A/230 V AC Fluorescent lamp load acc. to DIN EN 60669-1: 16 A/20 A/250 V AC (220 μ F)
Switch capacity	Resistive load: up to 4600 W Inductive load: up to 2000 VA Capacitive load: up to 2500 W (200 μ F)
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