

# RELIABLY CONNECTING INDIA

LAPP, a German brand is a leading supplier of integrated solutions and branded products in the field of cable and connection technology.

We offer a wide range of innovative products and solutions ranging from standard and highly flexible power, control and data cables to industrial connectors, cable entry systems and accessories to customised plug and play solution.

LAPP caters to various industry segments ranging from automation, textile, automotive, machine tools, oil and gas, renewable energy, process industries to infrastructure and building sectors. 'We Reliably Connect India and the World' with our technologically advanced, highly reliable, robust and superior quality products.



EPIC® SMART

## OUR BRANDS



**ÖLFLEX®**  
Power and control cables



**UNITRONIC®**  
Data communication systems



**ETHERLINE®**  
Data communication systems  
for ETHERNET technology



**HITRONIC®**  
Optical transmission systems



**EPIC®**  
Industrial connectors



**SKINTOP®**  
Cable glands



**SILVYN®**  
Protective cable conduit systems  
and cable carrier systems



**FLEXIMARK®**  
Marking systems



# EPIC® SMART

The high performance industrial connector

## EPIC® SMART RECTANGULAR CONNECTOR HOUSING

Apart from the product's quality and reliability, LAPP offers its customers the option to be able to define the cable entry of the housing to meet individual specifications.

## EPIC® SMART RECTANGULAR CONNECTOR INSERTS

Fixed pin inserts are safe and simple to handle. Thus, making it suitable for plenty of industrial applications.



## APPLICATION

- Machine tool industries • Automotive and material handling systems
- Measurement, testing and control engineering • Textile
- Industrial machinery and appliances • Drive systems and industrial automation

### BENEFITS

- Cost effective solution for basic industrial power and control connectivity
- Precise mating cycles for 500 operations
- Standard inserts with screw termination for easy assembly
- EPIC® Smart series is suitable for applications that require a reliable connection when working with standard voltage and current
- Housing design with Industry standard having single and double lever locking system

### STRUCTURE

- Inserts made of glassfield reinforced plastic with pin configuration 3, 4, 6, 10, 16, 24, 32 and 48.
- Contact made of copper alloy and surface with silver (Contact Resistance  $\leq 1\text{m}\Omega$ )
- Housing made of Die-Cast aluminium and surface Powder Coated RAL 7037 with Side cable entry (PG21) and panel mount base
- Max. cable diameter: 18mm

### PRODUCT FEATURES

- Fully compatible with market standards
- For the conductor cross - section 0.5 to 2.5 MM2
- Current Rating IEC : 16A
- Supply Voltage IEC 500 V
- For 500 cycles of mechanical operation

### STANDARD REFERENCES/APPROVALS

- DIN EN 60 664
- DIN EN 61 984
- UL Approved with File no : E490507

## TECHNICAL SPECIFICATIONS

Inserts:	
Number of Contacts	3, 4, 6, 10, 16, 24, 32 & 48.
Rated Voltage (V)	IEC: 500 V, UL: 600 V
Rated Current (A)	IEC: 16 A, UL: 16 A
Impulse Voltage Test	6 KV
Flammability acc. to UL94	V0
Material	Glassfield Reinforce Plastic
No. of. Cycle of Mechanical Operation	500
Pollution Degree	3
Contacts:	
Material	Copper Alloy
Surface	Hard Silver Plated
Contact Resistance	$\leq 1\text{m}\Omega$
Screw Terminal	0.5-2.5 mm2
Tightening Torque	0.5 Nm
Stripping Length	7.0 mm
Standard References/Approvals	• DIN EN 60 664 • DIN EN 61 984 • UL Approved with File no : E490507
Hood / Housing:	
Material	Die-Cast Aluminium
Surface	Powder Coated RAL 7037
Locking Element	Zinc plated / Corrosion Resistant Stainless Steel
Temperature Range	-40°C to +125°C
Degree of Protection:	
For Coupled Connector	IP65