

Conectores industriales

EPIC® H-A 3/4 | H-B | SENSOR M12A



EPIC® CONECTORES INDUSTRIALES

60 of EPIC®
years
connectors

¿Por qué elegir conectores EPIC®?

En la industria, una conexión confiable puede marcar la diferencia entre mantener una operación en marcha o enfrentar tiempos de parada innecesarios. Los conectores industriales EPIC® H-A 3/4, EPIC® H-B y EPIC® SENSOR M12A de LAPP combinan ingeniería alemana, robustez y confiabilidad para aplicaciones de potencia, control, señal y sensores, ayudando a fabricantes e integradores a simplificar la instalación, facilitar el mantenimiento y mantener sus equipos operando de forma segura y eficiente.

Nuestra línea de conectores ofrece soluciones para diferentes aplicaciones y entornos industriales, con beneficios como:

- Reducción de los tiempos de instalación.
- Mayor disponibilidad y continuidad operacional.
- Mantenimiento más rápido y sencillo.
- Soluciones modulares y escalables según cada aplicación.
- Alta resistencia en entornos exigentes.





Compacto, versátil y eficiente

La serie EPIC® H-A es la solución ideal para aplicaciones donde el espacio es limitado y la confiabilidad es crítica.

Características principales

- Diseño compacto
- Instalación rápida
- Excelente protección mecánica
- Alta flexibilidad de integración
- Reducción del espacio requerido en el gabinete

Aplicaciones destacadas

- Etiquetadoras
- Empacadoras
- Envolvedoras
- Transportadores
- Clasificadores automáticos
- Máquinas de ensamblaje
- Equipos de inspección

Ideal para

- Equipos OEM
- Máquinas compactas
- Sistemas de control



EPIC® H-A 003 CL

H-A inserts with cage clamp termination up to 2.5 mm² wire cross section



Benefits

- Easy to assemble due to straight conductor entry
- Cage clamp connection allows assembly without special tools and creates a vibration-proof connection between contact and cable. Strands can be connected with or without end sleeves
- Made of robust plastic (flammability class V-0 according to UL94 test method for the flammability of plastics)
- Designed for use where space is limited thanks to small size
- UL certification according to technical data enables the use of the product in the North American region

Application range

- For power supply connection of devices and machines in various applications
- For use with EPIC® H-A 3 series housings
- Suitable for outdoor use, taking into account the temperature range

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors



Rated voltage (V)

IEC: 230 V / 400 V
UL: 600 V

Rated impulse voltage

4 kV



Rated current (A)

10 A



Pollution degree

3



Flammability

UL94 V-0

Contact resistance

< 1 mOhm



Contacts

Silver-plated brass



Number of contacts

3 + PE



Termination methods

Cage clamp termination:
0.14 - 2.5 mm²
Cage clamp termination: 26 - 14 AWG



Material

PC, polycarbonate



Cycle of mechanical operation

500



Temperature range

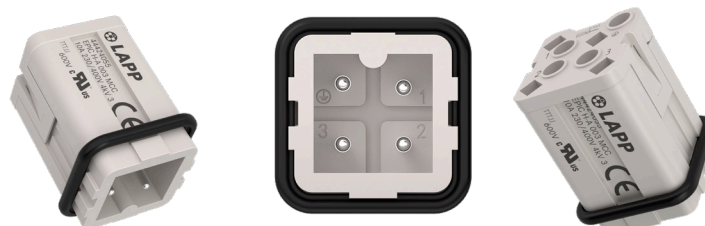
-40°C to + 125°C

Article number	Article description	Contact type	Wire protections	Pieces / PU
EPIC® H-A 003 CL				
44424055	EPIC® H-A 003 M CL	male	yes	10
44424056	EPIC® H-A 003 F CL	female	yes	10

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EPIC® H-A 004 CL

H-A inserts with cage clamp termination up to 2.5 mm² wire cross section



Benefits

- Easy to assemble due to straight conductor entry
- Cage clamp connection allows assembly without special tools and creates a vibration-proof connection between contact and cable. Strands can be connected with or without end sleeves
- Made of robust plastic (flammability class V-0 according to UL94 test method for the flammability of plastics)
- Designed for use where space is limited thanks to small size
- UL certification according to technical data enables the use of the product in the North American region

Application range

- For power supply connection of devices and machines in various applications
- For use with EPIC® H-A 3 series housings
- Suitable for outdoor use, taking into account the temperature range

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Contacts Silver-plated brass
	Rated voltage (V) IEC: 230 V / 400 V UL: 600 V		Number of contacts 4 + PE
	Rated impulse voltage 4 kV		Termination methods Cage clamp termination: 0.14 - 2.5 mm ² Cage clamp termination: 26 - 14 AWG
	Rated current (A) 10 A		Material PC, polycarbonate
	Flammability UL94 V-0		Cycle of mechanical operation 500
	Contact resistance < 1 mOhm		Temperature range -40°C to +125°C

Article number	Article description	Contact type	Wire protection	Pieces / PU
EPIC® H-A 004 CL				
44424057	EPIC® H-A 004 M CL	male	yes	10
44424058	EPIC® H-A 004 F CL	female	yes	10

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EPIC® H-A 3 Hood and cable coupler hood

The robust and reliable industry connector housing

i Info

- Lightweight, chemically resistant plastic housing or robust zinc-die casting housing
- Protection rating UL50E tested

- Benefits**
- Housing in plastic or metal version for safe connections in the smallest possible space

- Application range**
- Machine and equipment manufacturing
 - Control engineering
 - Electronic laboratory

- Product features**
- Single lever or bolts for single lever
 - Hood and cable coupler hood
 - Version without cable gland
Version with cable gland without strain relief (*)
Version with cable gland with strain relief (**)

Technical data

Material
Housing: powder-coated zinc die-casting, grey
thermoplastic, grey, black
Lever: zinc-plated steel

IP Protection rating
IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)

DIN VDE VDE-tested
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770

Temperature range
-40°C to +100°C,
short-term up to +125°C

Illustration	Material	High design	Cable gland	Clamping range in mm	Pieces / PU	Dimensions	
						M 25	M 20
EPIC® H-A 3 Hood and cable coupler hood							
Hood							
	Zinc die-casting		yes *	3.0 - 13.5	10		19426500
	Zinc die-casting				10		19512100
	Zinc die-casting		yes **	7.0 - 13.0	10		19512102
	Zinc die-casting	yes	yes **	9.0 - 17.0	10	19512104	
	Zinc die-casting	yes			10	19512103	
	Thermoplastic		yes	3.0 - 13.5	10		19426700
	Thermoplastic				10		19425500
	Thermoplastic		yes	3.0 - 13.5	10		19426400
	Thermoplastic				10		19426000
	Zinc die-casting		yes *	3.0 - 13.5	10		19427500
	Zinc die-casting				10		19512300
	Zinc die-casting		yes **	7.0 - 13.0	10		10422507
	Thermoplastic				10		19427300
	Thermoplastic				10		19427000
Cable coupler hood							
	Zinc die-casting				10		19512900
	Thermoplastic		yes	3.0 - 13.5	10		19620300
	Thermoplastic				10		19429200
	Thermoplastic		yes	3.0 - 13.5	10		19429100
	Thermoplastic				10		19429000



EPIC® H-A 3 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated zinc die-casting, grey
thermoplastic, grey, black
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
IP 44 (cover closed)
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437 (except MAGD)
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Housing in plastic or metal version for safe connections in the smallest possible space

Application range

- Mechanical and plant engineering
- Control engineering
- Electronic laboratory



Info

- Lightweight, chemically resistant plastic housing or robust zinc-die casting housing
- Protection rating UL50E tested

Product features

- Panel-mount base and surface-mount base
- Versions with / without cable gland
- Panel-mount base, flat gasket included (version with open base)
- Panel-mount base with cover (with sealing, for female inserts)

Illustration	Material	Cable gland	Pieces / PU	Dimensions	
				AG	M 20
Panel-mount base					
	Zinc die-casting		10	10422500	
	Thermoplastic		10	10422200	
	Thermoplastic		10	10422000	
	Zinc die-casting		10	10423500	
	Thermoplastic		10	10423100	
	Thermoplastic		10	10423000	
	Aluminium die-casting		10	10455110 10455120	
Surface-mount base					
	Zinc die-casting	yes	10		19424500
	Thermoplastic	yes	10		19421900
	Zinc die-casting		10		19517200
	Thermoplastic		10		19515200

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La referencia industrial para aplicaciones robustas

La familia EPIC® H-B es una de las soluciones más utilizadas en la automatización industrial gracias a su robustez y versatilidad.

Características principales

- Amplia variedad de tamaños y pines de contacto
- Configuraciones modulares
- Resistencia mecánica elevada
- Fácil mantenimiento
- Alto nivel de protección industrial

Aplicaciones destacadas

- Robótica industrial
- Centros de distribución
- Manufactura automatizada
- Líneas de producción automatizadas
- Plantas de alimentos y bebidas

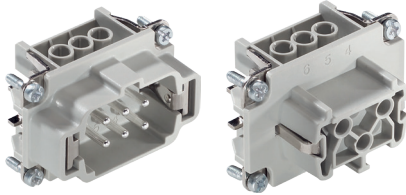
Ideal para

- Potencia
- Control
- Señal
- Automatización industrial



EPIC® H-BE 6 Screw termination

The proven standard inserts for easy assembly

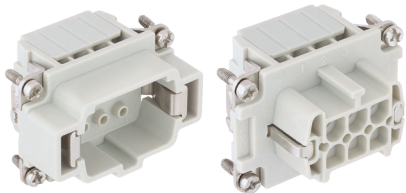


Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

EPIC® H-BE 6 Crimp termination

The proven standard inserts for easy assembly

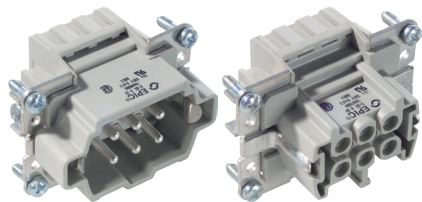


Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Railway applications

EPIC® H-BE 6 Cage clamp

The proven standard inserts for easy assembly

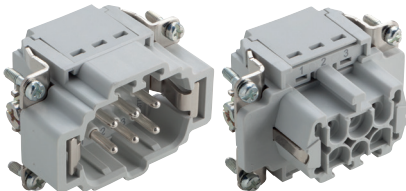


Info

- Vibration resistant and fast wire connection
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 6 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® H-B 6
- EPIC® ULTRA H-B 6
- EPIC® QUICK & EASY Mounting system

Suitable contacts

- EPIC® H-BE 2.5 machined contacts

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 6 Screw termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets

R22 and R23. Hazard level HL1, HL2 and HL3

- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 6 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3

Application range

- Mechanical engineering
- Light & sound technology

- Plastics industry

EPIC® H-BE 6 Screw termination

EPIC® H-BE 6 Crimp termination

EPIC® H-BE 6 Push-In termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 6 Screw termination

- PEW 8.186 crimping pliers
- Kraftform® adjustable torque screwdriver / Kraftform Kompakt® Set
- Recommended crimping tool when conductor end-sleeves are used: PEW 8.186

EPIC® H-BE 6 Crimp termination

- Removal tool 11182501 to remove the machined EPIC® H-BE contacts

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Termination methods EPIC® H-BE 6 Screw termination Screw termination: 0.5 - 2.5 mm ² EPIC® H-BE 6 Crimp termination Crimp termination: 0.14 - 4.0 mm ² EPIC® H-BE 6 Cage clamp Cage clamp termination: 0.5 - 2.5 mm ² EPIC® H-BE 6 Push-In termination Push-In termination: 0.14 - 2.5mm ²
	Rated voltage (V) IEC: 500 VUL: 600 VCSA: 600 V		Stripping length (mm) EPIC® H-BE 6 Screw termination 8 EPIC® H-BE 6 Cage clamp 7 EPIC® H-BE 6 Push-In termination 10
	Rated impulse voltage 6 kV		
	Rated current (A) EPIC® H-BE 6 Screw termination EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Cage clamp IEC: 16 A UL: 16 A CSA: 16 A EPIC® H-BE 6 Push-In termination IEC: 16 A UL: 13 A CSA: 13 A		Material EPIC® H-BE 6 Screw termination EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Cage clamp PC, polycarbonate EPIC® H-BE 6 Push-In termination PA Polyamide
	Pollution degree 3		Cycle of mechanical operation EPIC® H-BE 6 Screw termination EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Push-In termination 500 EPIC® H-BE 6 Cage clamp 100EPIC® H-BE 6 Push-In termination
	Flammability EPIC® H-BE 6 Screw termination EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Push-In termination UL94 V-0		Certifications EPIC® H-BE 6 Screw termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 and E483837 EPIC® H-BE 6 Crimp termination EPIC® H-BE 6 Cage clamp EPIC® H-BE 6 Push-In termination UL-tested: UL File Number: E75770
	Contact resistance EPIC® H-BE 6 Screw termination < 2 mOhm EPIC® H-BE 6 Crimp termination < 2 mOhm EPIC® H-BE 6 Cage clamp 1.5 - 4 mohm EPIC® H-BE 6 Push-In termination < 2 mOhm		Temperature range EPIC® H-BE 6 Screw termination -40°C to +100°C, short-term up to +125°C EPIC® H-BE 6 Crimp termination -40°C to +125°C EPIC® H-BE 6 Cage clamp -40°C to +100°C, short-term up to +125°C EPIC® H-BE 6 Push-In termination -40°C to +100°C, short-term up to +125°C
	Contacts EPIC® H-BE 6 Screw termination Copper alloy, hard silver-plated EPIC® H-BE 6 Crimp termination Copper alloy, hard silver/gold-plated EPIC® H-BE 6 Cage clamp Copper alloy, hard silver-plated EPIC® H-BE 6 Push-In termination Copper alloy, hard silver-plated		
	Number of contacts 6 + PE		

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 6 screw termination					
10190000	EPIC® H-BE 6 SS	male	yes	1 - 6	10
10191000	EPIC® H-BE 6 BS	female	yes	1 - 6	10
10190100	EPIC® H-BE 6 SS	male		1 - 6	10
10191100	EPIC® H-BE 6 BS	female		1 - 6	10
EPIC® H-BE 6 crimp termination					
10180002	EPIC® H-BE 6 SCM	male		1 - 6	10
10181002	EPIC® H-BE 6 BCM	female		1 - 6	10
H-BE 6 cage clamp termination					
10400000	EPIC® H-BE 6 SF	male	yes	1 - 6	10
10401000	EPIC® H-BE 6 BF	female	yes	1 - 6	10
H-BE 6 Push-In termination					
381166835	EPIC® H-BE 006 MQL	male	yes	1 - 6	1
381166834	EPIC® H-BE 006 FQL	female	yes	1 - 6	1
44423200	EPIC® H-BE 6 SP	male	yes	1 - 6	10
44423201	EPIC® H-BE 6 BP	female	yes	1 - 6	10

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EPIC® H-B 6 Hood and cable coupler hood

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)



Temperature range

-40 °C to +100 °C,
short-term up to +125 °C

Benefits

- The smallest housing out of the H-B series.
For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry



Info

- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Product features

- Hood with bolts for single lever
- Cable coupler hood with single lever
- Standard and high version
- Versions with / without neck

Illustration	High design	Pieces / PU	Dimensions			
			M 20	M 16	M 25	M 32
Hood						
		10	19011000		19021000	
		10	19012000		19022000	
	yes	10	79020100	79020000	79020200	79020400
	yes	10			79022200	79022400
Cable coupler hood						
		10	19014000		19024000	
	yes	10			79010200	

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EPIC® H-B 6 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The smallest housing out of the H-B series. For inserts with high electrical properties

Application range

- Plant engineering
- Control engineering
- Plastics industry

Product features

- Panel-mount base incl. flat gasket included
- Version with metal cover
- Surface-mount base with 1 or 2 cable outlets
- Standard and high design
- With single lever

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

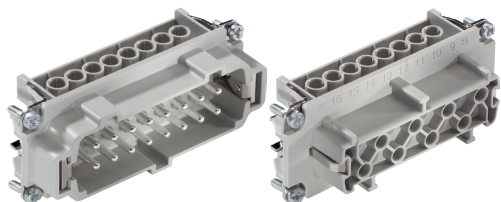
Illustration	High design	Cable entry	Pieces / PU	Dimensions			
				AG	M 20	M 25	M 32
Panel-mount base							
			10	10004000			
			10	10003000			
Surface-mount base							
		1	10		19007000	79015600	
		2	10		19009000	79016600	
	yes	1	10			79015200	79015400
	yes	2	10			79016200	79016400
		1	10		19005000	79005600	
		2	10		19006000	79006600	
	yes	1	10			79005200	79005400
	yes	2	10			79006200	79006400

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EPIC® H-BE 16 Screw termination

The proven standard inserts for easy assembly

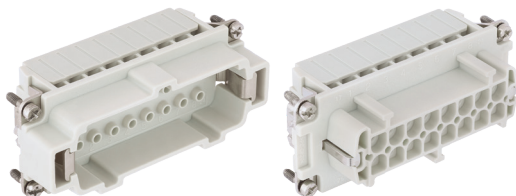


Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Crimp termination

The proven standard inserts for easy assembly

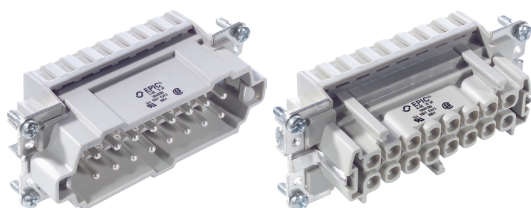


Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 32 available

EPIC® H-BE 16 Cage clamp

The proven standard inserts for easy assembly

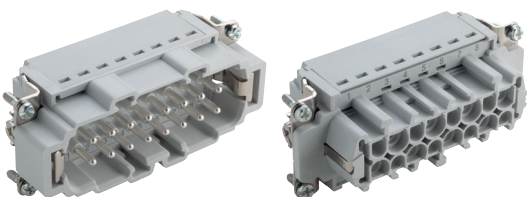


Info

- Multifunctional insert for versatile applications
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 16 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® H-B 16
- EPIC® ULTRA H-B 16
- EPIC® QUICK & EASY Mounting system

Suitable contacts

EPIC® H-BE 16 Crimp termination

- EPIC® H-BE 2.5 machined contacts

Similar products

EPIC® H-BE 16 Screw termination

EPIC® H-BE 16 Crimp termination

EPIC® H-BE 16 Cage clamp

- Further products with higher numbering in the internet. (H-BE 32, H-BE 48)

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination

- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 16 Screw termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 16 Crimp termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3

EPIC® H-BE 16 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button
- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3

Application range

- Mechanical engineering
- Plastics industry
- Light & sound technology

EPIC® H-BE 16 Screw termination
EPIC® H-BE 16 Crimp termination
EPIC® H-BE 16 Push-In termination

- Railway applications / vehicle construction

Suitable tools
EPIC® H-BE 16 Screw termination

- PEW 8.186 crimping pliers
- Kraftform® adjustable torque screwdriver / Kraftform Kompakt® Set
- Recommended crimping tool when conductor end-sleeves are used: PEW 8.186

EPIC® H-BE 16 Crimp termination

- Removal tool 11182501 to remove the machined EPIC® H-BE contacts

Technical data

Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000438
ETIM 5.0/6.0 Class-Description:
Contact insert for industrial connectors


Rated voltage (V)

IEC: 500 VUL: 600 VCSA: 600 V

Rated impulse voltage

6 kV


Rated current (A)

EPIC® H-BE 16 Screw termination
EPIC® H-BE 16 Crimp termination
EPIC® H-BE 16 Cage clamp
IEC: 16 A
UL: 16 A
CSA: 16 A
EPIC® H-BE 16 Push-In termination
IEC: 16 A
UL: 13 A
CSA: 13 A


Pollution degree

3


Flammability

EPIC® H-BE 16 Screw termination
EPIC® H-BE 16 Crimp termination
EPIC® H-BE 16 Push-In termination
UL94 V-0

Contact resistance

EPIC® H-BE 16 Screw termination
< 2 mOhm
EPIC® H-BE 16 Crimp termination
< 2 mOhm
EPIC® H-BE 16 Cage clamp
1.5 - 4 mohm
EPIC® H-BE 16 Push-In termination
< 2 mOhm


Contacts

EPIC® H-BE 16 Screw termination
Copper alloy, hard silver-plated
EPIC® H-BE 16 Crimp termination
Copper alloy, hard silver/gold-plated
EPIC® H-BE 16 Cage clamp
Copper alloy, hard silver-plated
EPIC® H-BE 16 Push-In termination
Copper alloy, hard silver-plated


Number of contacts

16 + PE


Termination methods

EPIC® H-BE 16 Screw termination
Screw termination: 0.5 - 2.5 mm²
EPIC® H-BE 16 Crimp termination
Crimp termination: 0.14 - 4.0 mm²
EPIC® H-BE 16 Cage clamp
Cage clamp termination: 0.5 - 2.5 mm²
EPIC® H-BE 16 Push-In termination
Push-In termination: 0.14 - 2.5mm²

Stripping length (mm)

EPIC® H-BE 16 Screw termination
8
EPIC® H-BE 16 Cage clamp
7
EPIC® H-BE 16 Push-In termination
10


Material

EPIC® H-BE 16 Screw termination
EPIC® H-BE 16 Crimp termination
PC, polycarbonate
EPIC® H-BE 16 Push-In termination
PA Polyamid


Cycle of mechanical operation

EPIC® H-BE 16 Screw termination
EPIC® H-BE 16 Crimp termination
EPIC® H-BE 16 Push-In termination
500
EPIC® H-BE 16 Cage clamp
100


Certifications

EPIC® H-BE 16 Screw termination
Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770 and E483837
EPIC® H-BE 16 Crimp termination
EPIC® H-BE 16 Cage clamp
EPIC® H-BE 16 Push-In termination
UL-tested:
UL File Number: E75770


Temperature range

EPIC® H-BE 16 Screw termination
-40°C to +100°C,
short-term up to +125°C
EPIC® H-BE 16 Crimp termination
-40°C to +125°C
EPIC® H-BE 16 Cage clamp
-40°C to +100°C,
short-term up to +125°C
EPIC® H-BE 16 Push-In termination
-40°C to +100°C,
short-term up to +125°C

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 16 screw termination					
10194000	EPIC® H-BE 16 SS	male	yes	1 -16	5
10195000	EPIC® H-BE 16 BS	female	yes	1 -16	5
10194100	EPIC® H-BE 16 SS	male		1 -16	5
10195100	EPIC® H-BE 16 BS	female		1 -16	5
EPIC® H-BE 16 Crimp termination					
10184002	EPIC® H-BE 16 SCM	male		1 -16	5
10185002	EPIC® H-BE 16 BCM	female		1 -16	5
H-BE 16 cage clamp termination					
10400200	EPIC® H-BE 16 SF	male	yes	1 -16	5
10401200	EPIC® H-BE 16 BF	female	yes	1 -16	5
H-BE 16 Push-In termination					
381166839	EPIC® H-BE 016 MQL	male	yes	1 - 16	1
381166838	EPIC® H-BE 016 FQL	female	yes	1 - 16	1
44423204	EPIC® H-BE 16 SP	male	yes	1 - 16	5
44423205	EPIC® H-BE 16 BP	female	yes	1 - 16	5

Photographs and graphics are not to scale and do not represent detailed images of the respective products.



EPIC® H-B 16 Hood and cable coupler hood

The robust and reliable industry connector housing



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Hood and cable coupler hood
- Standard and high version
- Versions with / without neck

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Illustration	High design	Pieces / PU	Dimensions					
			M 20	M 25	M 32	M 40	2 x M 25	2 x M 32
Hood								
		10	19080001					
		5		19080000	19090000			
		5		19081000				
	yes	5		79105200	79105400			
	yes	5		79100200	79100400	79100800		
		5	19082500	19082000	19092000			
		5		19083000				
	yes	5		79107200	79107400			
	yes	5		79102200	79102400	79102800		
		5					19080500	
	yes	5					44422018	79128600
Cable coupler hood								
		5		19086000				
	yes	5						79090401
	yes	5		79090200	79090400			



EPIC® H-B 16 Panel-mount- and surface-mount base

The robust and reliable industry connector housing



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Benefits

- The housing standard. Wide choice for all applications

Application range

- Plant engineering
- Light & sound technology
- Plastics industry

Product features

- Panel-mount base, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Double lever or bolts for double lever
- Version with metal cover

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65
NEMA 250, UL50E: 12, 4 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

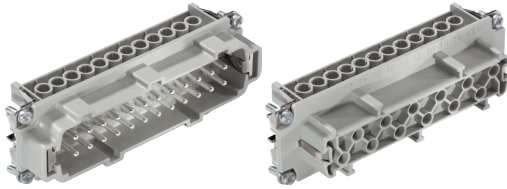
Illustration	High design	Cable entry	Pieces / PU	Dimensions		
				AG	M 25	M 32
Panel-mount base						
			5	10073000		
			5	10072000		
Surface-mount base						
		1	5		19076000	
		2	5		79096000	
	yes	1	5		79095200	79095400
	yes	2	5		79096200	79096400
		1	5		19074000	
		2	5		19075000	
	yes	1	5		79085200	79085400
	yes	2	5		79086200	79086400

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EPIC® H-BE 24 Screw termination

The proven standard inserts for easy assembly

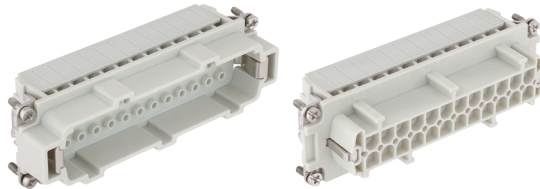


Info

- Proven screw for easy installation
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Crimp termination

The proven standard inserts for easy assembly

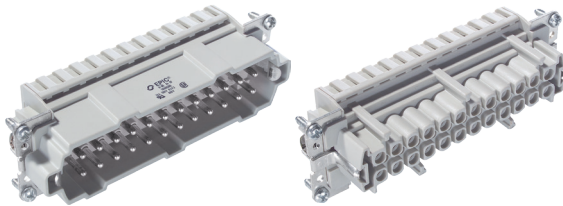


Info

- For wire connection up to 4 mm²
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Also as EPIC® H-BE 48 available

EPIC® H-BE 24 Cage clamp

The proven standard inserts for easy assembly

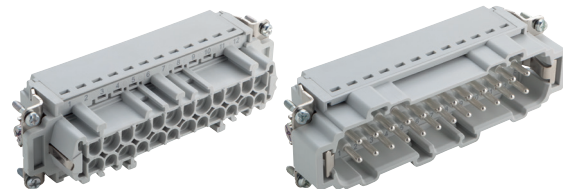


Info

- Multifunctional insert for versatile applications
- Screw, crimp, cage clamp and Push-In version - freely combinable

EPIC® H-BE 24 Push-In termination

The proven standard inserts for easy assembly



Info

- Push-In version - fast and easy tool free connection technology
- Screw, crimp, cage clamp and Push-In version - freely combinable
- Multifunctional insert for versatile applications

Suitable housing

- EPIC® H-B 24
- EPIC® ULTRA H-B 24
- EPIC® QUICK & EASY Mounting system

Suitable contacts

- EPIC® H-BE 24 Crimp termination
- EPIC® H-BE 2.5 machined contacts

Similar products

- Further products with higher numbering in the internet. (H-BE 32, H-BE 48)

Benefits

- Standard inserts with screw, crimp cage clamp and Push-In termination
- The EPIC® H-BE series is suitable for applications that require a reliable connection when working with high voltages and currents

EPIC® H-BE 24 Screw termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3
- UL tested for application in control cabinets according UL 508 / UL 2237

EPIC® H-BE 24 Crimp termination

- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3

EPIC® H-BE 24 Push-In termination

- Insertion of cores with end sleeves in Push-In inserts gives mounting safety and time saving without any tools
- Easy dismantling and insertion of wires by pushing the orange button

- Test socket for standard 2mm test tip for easy testing of Push-In inserts
- Railway applications
 - Fire protection on railway vehicles: Test according EN 45545-2. Requirement sets R22 and R23. Hazard level HL1, HL2 and HL3

Application range

- Mechanical engineering
- Light & sound technology
- Plastics industry

EPIC® H-BE 24 Screw termination

EPIC® H-BE 24 Crimp termination

EPIC® H-BE 24 Push-In termination

- Railway applications / vehicle construction

Suitable tools

EPIC® H-BE 24 Screw termination

- PEW 8.186 crimping pliers
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set
- Recommended crimping tool when conductor end-sleeves are used: PEW 8.186

EPIC® H-BE 24 Crimp termination

- Removal tool 11182501 to remove the machined EPIC® H-BE contacts

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000438 ETIM 5.0/6.0 Class-Description: Contact insert for industrial connectors		Termination methods EPIC® H-BE 24 Screw termination Screw termination: 0.5 - 2.5 mm ² EPIC® H-BE 24 Crimp termination Crimp termination: 0.14 - 4.0 mm ² EPIC® H-BE 24 Cage clamp Cage clamp termination: 0.5 - 2.5 mm ² EPIC® H-BE 24 Push-In termination Push-In termination: 0.14 - 2.5mm ²
	Rated voltage (V) IEC: 500 VUL: 600 VCSA: 600 V		Stripping length (mm) EPIC® H-BE 24 Screw termination 8 EPIC® H-BE 24 Cage clamp 7 EPIC® H-BE 24 Push-In termination 10
	Rated impulse voltage 6 kV		
	Rated current (A) EPIC® H-BE 24 Screw termination EPIC® H-BE 24 Crimp termination EPIC® H-BE 24 Cage clamp IEC: 16 A UL: 16 A CSA: 16 A EPIC® H-BE 24 Push-In termination IEC: 16 A UL: 13 A CSA: 13 A		Material EPIC® H-BE 24 Screw termination EPIC® H-BE 24 Crimp termination PC, polycarbonate EPIC® H-BE 24 Push-In termination PA Polyamide
	Pollution degree 3		Cycle of mechanical operation EPIC® H-BE 24 Screw termination EPIC® H-BE 24 Crimp termination EPIC® H-BE 24 Push-In termination 500 EPIC® H-BE 24 Cage clamp 100
	Flammability EPIC® H-BE 24 Screw termination EPIC® H-BE 24 Crimp termination EPIC® H-BE 24 Push-In termination UL94 V-0 EPIC® H-BE 24 Cage clamp UL94 V-2		Certifications EPIC® H-BE 24 Screw termination Certified production control: VDE-REG. no.: B437 UL-tested: UL File Number: E75770 and E483837 EPIC® H-BE 24 Crimp termination EPIC® H-BE 24 Cage clamp EPIC® H-BE 24 Push-In termination UL-tested: UL File Number: E75770
	Contact resistance EPIC® H-BE 24 Screw termination < 2 mOhm EPIC® H-BE 24 Crimp termination < 2 mOhm EPIC® H-BE 24 Cage clamp 1.5 - 4 mohm EPIC® H-BE 24 Push-In termination < 2 mOhm		Temperature range EPIC® H-BE 24 Screw termination -40°C to +100°C, short-term up to +125°C EPIC® H-BE 24 Crimp termination -40°C to +125°C EPIC® H-BE 24 Cage clamp -40°C to +100°C, short-term up to +125°C EPIC® H-BE 24 Push-In termination -40°C to +100°C, short-term up to +125°C
	Contacts EPIC® H-BE 24 Screw termination Copper alloy, hard silver-plated EPIC® H-BE 24 Crimp termination Copper alloy, hard silver/gold-plated EPIC® H-BE 24 Cage clamp Copper alloy, hard silver-plated EPIC® H-BE 24 Push-In termination Copper alloy, hard silver-plated		
	Number of contacts 24 + PE		

Article number	Article description	Contact type	Wire protection	Number of operating contacts	Pieces / PU
H-BE 24 screw termination					
10196000	EPIC® H-BE 24 SS	male	yes	1 - 24	5
10197000	EPIC® H-BE 24 BS	female	yes	1 - 24	5
10196100	EPIC® H-BE 24 SS	male		1 - 24	5
10197100	EPIC® H-BE 24 BS	female		1 - 24	5
H-BE 24 crimp termination					
10186002	EPIC® H-BE 24 SCM	male		1 - 24	5
10187002	EPIC® H-BE 24 BCM	female		1 - 24	5
H-BE 24 cage clamp termination					
10400300	EPIC® H-BE 24 SF	male	yes	1 - 24	5
10401300	EPIC® H-BE 24 BF	female	yes	1 - 24	5
H-BE 24 Push-In termination					
381166841	EPIC® H-BE 024 MQL	male	yes	1 - 24	1
381166840	EPIC® H-BE 024 FQL	female	yes	1 - 24	1
44423206	EPIC® H-BE 24 SP	male	yes	1 - 24	5
44423207	EPIC® H-BE 24 BP	female	yes	1 - 24	5

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EPIC® H-B 24 Hood and cable coupler hood

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Product features

- Standard and high version
- Versions with / without neck
- Hood and cable coupler hood

Illustration	High design	Pieces / PU	Dimensions					
			M 25	M 32	M 40	2 x M 25	2 x M 32	2 x M 40
Hood								
		5	19121000	19111000	19111500			
		5	19122000	19112000				
	yes	5	79155400	79155600				
	yes	5	79150400	79150600	79150800			
	yes	5	79157400	79157600				
	yes	5	79152400	79152600	79152800			
		5	19113000	19123000				
		5	19114000	19124000				
		5				44422019	44422020	
	yes	5				44422021	79178500	70250260
Cable coupler hood								
		5	19127000	19117000				
	yes	5	79140400	79140600				



EPIC® H-B 24 Panel-mount- and surface-mount base

The robust and reliable industry connector housing

Technical data



Material

Housing: powder-coated aluminium alloy, grey
Lever: zinc-plated steel
Sealing: NBR



Protection rating

IP 65 (latched)
NEMA 250, UL50E: 12 (latched) or higher



VDE-tested

Certified production control:
VDE-REG. no.: B437
UL-tested:
UL File Number: E75770



Temperature range

-40°C to +100°C,
short-term up to +125°C

Benefits

- Ideal for many applications due to a wide range of housings and inserts

Application range

- Plant engineering
- Light & sound technology
- Plastics industry



Info

- Protection rating UL50E tested
- Non-slip ridges for comfortable disconnecting
- High version: More interior space for wiring

Product features

- Panel-mount base, flat gasket included
- Surface-mount base with 1 or 2 cable outlets
- Standard and high version
- Double lever or bolts for double lever
- Version with metal cover

Illustration	High design	Cable entry	Pieces / PU	Dimensions		
				AG	M 25	M 32
Panel-mount base						
			5	10103000		
			5	10102000		
Surface-mount base						
		2	5		19109000	
	yes	1	5			79145400
	yes	2	5			79146400
		1	5		19104000	
		2	5		19105000	
	yes	1	5		79135200	79135400
	yes	2	5		79136200	79136400

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La conexión estándar para sensores industriales

Los conectores EPIC® SENSOR M12A permiten la conexión rápida y confiable de sensores y actuadores en arquitecturas de automatización modernas.

Características principales

- Diseño compacto
- Conexiones rápidas y seguras
- Excelente resistencia industrial
- Integración sencilla en redes de automatización

Aplicaciones destacadas

- Plantas de alimentos y bebidas
- Líneas de producción automatizadas
- Automatización industrial

Ideal para

- Sensores de proximidad
- Sensores fotoeléctricos
- Actuadores
- Módulos de E/S remotas
- Sistemas de monitoreo



EPIC® SENSOR M12A screw connection

Field mountable connectors M12



Benefits

- High stability thanks to impact-resistant polyamide
- The service-friendly screw connection makes assembly possible without a special tool, and is suitable for connections which need to be detached again
- When connected, protection class IP 67 can be achieved
- Available in different designs and with different pole configurations

Application range

- Can be used universally at machine interfaces for many applications for data and signal transmission in the low-frequency range
- Typical application areas are sensors and actuators at field level
- Good oil and chemical resistance

Technical data

 **Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC002062
ETIM 5.0/6.0 Class-Description:
Sensor-actuator connector

 **Material**
Contact material:
Copper alloy / Gold-plated
Contact surface material:
Au (gold)
Housing base material: Polyamide

 **Protection rating**
IP 67

 **Ambient temperature (operation)**
-25°C to +85°C

Coding
A-standard

Article number	Article designation	Number of pins	Connection type	Design
381166318	EPIC® SENSOR M12A F6 3 SR1220 4-8	3	Plug	Straight
381166319	EPIC® SENSOR M12A F6 4 SR1220 4-8	4	Plug	Straight
381166320	EPIC® SENSOR M12A F6 5 SR1220 4-8	5	Plug	Straight
381166321	EPIC® SENSOR M12A F6 8 SR1220 4-8	8	Plug	Straight
381166325	EPIC® SENSOR M12A D6 3 SR1220 4-8	3	Socket	Straight
381166326	EPIC® SENSOR M12A D6 4 SR1220 4-8	4	Socket	Straight
381166327	EPIC® SENSOR M12A D6 5 SR1220 4-8	5	Socket	Straight
381166328	EPIC® SENSOR M12A D6 8 SR1220 4-8	8	Socket	Straight
381166332	EPIC® SENSOR M12A F1 3 SR1220 4-8	3	Plug	Straight
381166333	EPIC® SENSOR M12A F1 4 SR1220 4-8	4	Plug	Angled
381166335	EPIC® SENSOR M12A F1 5 SR1220 4-8	5	Plug	Angled
381166337	EPIC® SENSOR M12A F1 8 SR1220 4-8	8	Plug	Angled
381166338	EPIC® SENSOR M12A D7 3 SR1220 4-8	3	Socket	Angled
381166339	EPIC® SENSOR M12A D7 4 SR1220 4-8	4	Socket	Angled
381166341	EPIC® SENSOR M12A D7 5 SR1220 4-8	5	Socket	Angled
381166343	EPIC® SENSOR M12A D7 8 SR1220 4-8	8	Socket	Angled

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También podrían interesarte nuestros cables eléctricos y de datos industriales

LAPP es una empresa alemana líder mundial en la fabricación de cables eléctricos para la industria, con sede central en Stuttgart y 27 plantas de producción alrededor del mundo, desde donde desarrolla soluciones para diferentes sectores industriales.

Si necesitas cables, conectores y accesorios industriales de alta calidad, en LAPP encuentras diferentes soluciones con el respaldo de un fabricante confiable. Entendemos que ser un socio estratégico va más allá de ofrecer productos; también implica brindar un servicio logístico ágil y eficiente. Por eso, estamos presentes y cerca de nuestros clientes en Centroamérica, el Caribe y Sudamérica, respaldando tus proyectos, tu empresa e industria con calidad y compromiso.



ÖLFLEX® CLASSIC 100 | 450/750 V
ÖLFLEX® CLASSIC 110 | 300/500 V
 Cables de fuerza y control de PVC, conductores de colores o numerados. Resistentes a aceites, químicos y detergentes.

CE  



ÖLFLEX® CLASSIC 110 BLACK | 0,6/1 kV
 Cable de fuerza y control para uso en exteriores con protección UV. Conductores numerados para una amplia gama de aplicaciones.

CE 



ÖLFLEX® CLASSIC 115 CY | 300/500 V
 Cable de control de PVC, apantallado, diámetro exterior reducido. Apto para ambientes CEM (EMC) críticos.

CE  



ÖLFLEX® LIFT F | 450/750 V
 Cable plano de PVC para fuerza y control. Uso en grúas interiores, estructuras elevadas y piezas móviles de máquinas.

CE 



ÖLFLEX® SERVO 2YSLCY-JB | 0,6/1 kV
 Cables con doble apantallamiento para conexión de motores, VFD o servomotores conforme a CEM (EMC). Uso en interior y exterior.

CE  



ÖLFLEX® SERVO 2XSLCH-JB | 0,6/1 kV
 Cable libre de halógenos para conexión de motores, VFD o servomotores conforme a CEM (EMC). Uso en interior y exterior.

CE     



ETHERLINE® Cat. 6_A
 Cable ETHERNET industrial, PROFINET/ETHERNET IP para instalación fija.



ÖLFLEX®
Cables de alimentación
y control



UNITRONIC®
Sistemas de transmisión de datos



ETHERLINE®
Sistemas de transmisión de datos
para tecnología Ethernet



HITRONIC®
Sistemas de fibra óptica



EPIC®
Conectores industriales



SKINTOP®
Prensaestopas



SILVYN®
Sistemas de protección
y guiado de cables



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LAPP Panamá S.A.

Panamá Pacífico, Arraiján, Panamerica Corporate Center, Edificio 9075, Unidad 9, Panamá.
Tel.: +507 320 5090 | E-mail: sales.pa.lpa@lapp.com | Web: laplatinamerica.lappgroup.com

