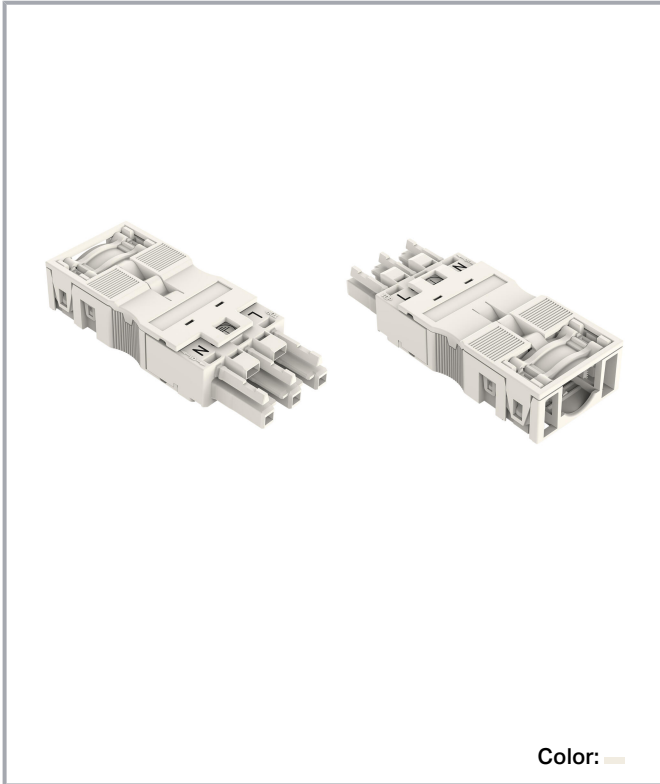


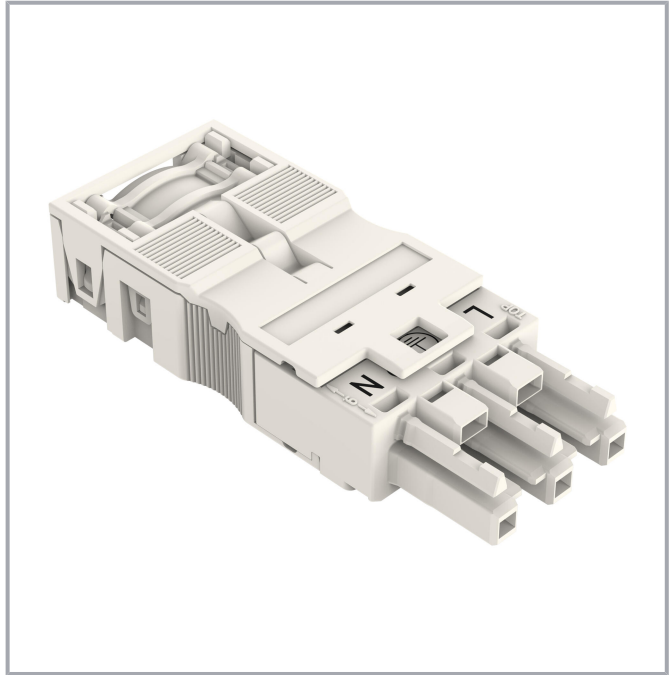
Data sheet | Item number: 770-223/035-050

Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-223/035-050



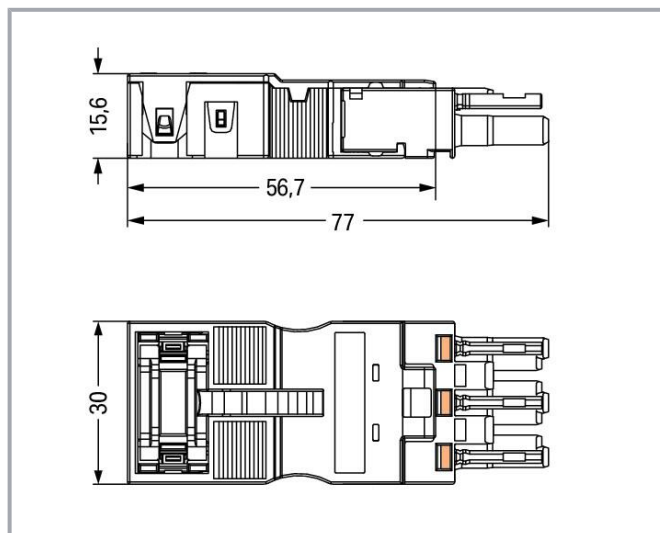
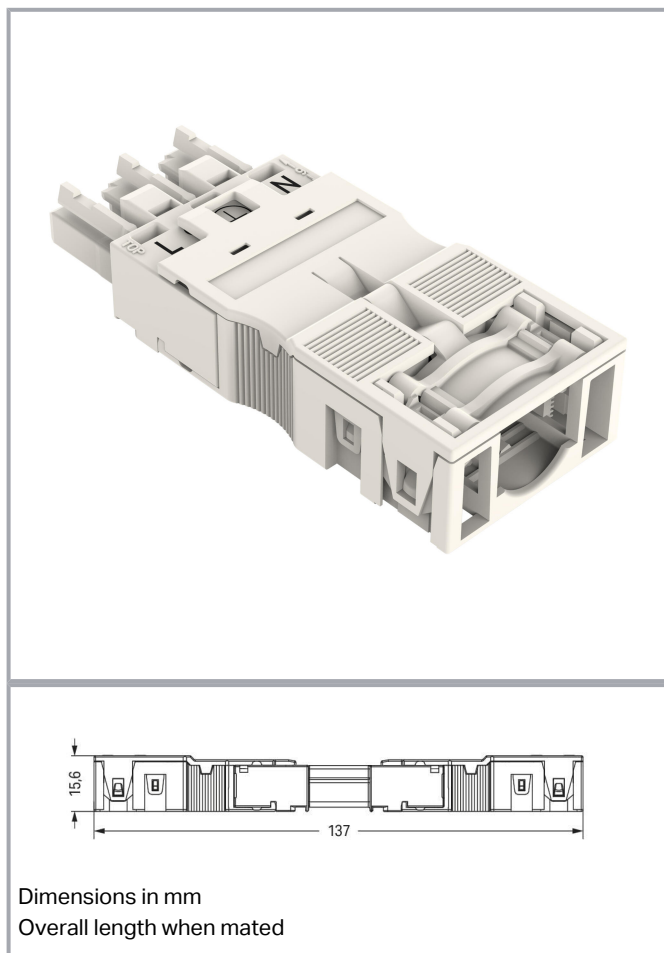
Color: 



Subject to changes. Please also observe the further product documentation!

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Item description

Female connector/socket *WINSTA®* MIDI A coding

Use effective pluggable connections instead of laborious screw connections: With the *WINSTA®* MIDI female connector/socket 3-pole. The pluggable installation connectors with spring pressure connection technology work without screw connections. They allow fast, efficient, error-free installation in numerous applications. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector offers protection against contact with live components in accordance with protection type IP20 (When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Thanks to the color coding and mechanical A coding of *WINSTA®* MIDI pluggable installation connectors, you can clearly distinguish different circuits. This pluggable installation connector can be employed for a load of up to 25 A. As a result, it can also be used for high power loads. The *WINSTA®* MIDI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates exemplary electrification. Thanks to the included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and expense. The strip length is 48 mm.

Subject to changes. Please also observe the further product documentation!

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Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System is ideally tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus faster, even more reliable, and error-free. Using this pre-assembled system reduces assembly times and errors during installation at the construction site. Choose quality and durability – with protection against mismatching from WAGO makes the electrical installation of electrical components substantially easier.

-
- pluggable installation connectors with protection against mismatching
- simple circuits
- with A coding for use in many general mains applications
- custom-engineered solutions
- rapid, structured electrical installation

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL 1977

Note for the US market	Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 16 A and voltages up to 600 V. For further information, please contact your local sales office.
Rated voltage (UL 1977)	600 V
Rated current UL 1977	23 A

General information

Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/socket
----------------------------	--

Subject to changes. Please also observe the further product documentation!



Connection data

Connection points	6
Total number of potentials	3

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 ... 4 mm² / 20 ... 12 AWG
Solid conductor; push-in termination	1.5 ... 4 mm² / 16 ... 12 AWG
Stranded conductor	0.5 ... 2.5 mm² / 20 ... 14 AWG
Fine-stranded conductor	0.5 ... 4 mm² / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm² / 20 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm² / 20 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG
Strip length	9 mm / 0.35 inches
Pole number	3
Conductor entry direction to mating direction	0 °
Strip length (outer insulation)	48 mm

Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	15.6 mm / 0.614 inches
Depth	77 mm / 3.031 inches

Mechanical Data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	L ⊥ N
Potential marking	L ⊥ N
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)

Subject to changes. Please also observe the further product documentation!



Number of mating cycles	200, without resistive load
Protection type	IP20; When mated and secured with a strain relief housing: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable	for quick assembly

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All WINSTA [®] components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Can be retrofitted
Locking of plug-in connection	locking lever
Note on locking system	All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket).
Strain relief	Strain relief house, for quick assembly

Material data

Note (material data)	Information on material specifications can be found here
Color	white
Cover color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.423 MJ
Strain relief color	white
Weight	17.7 g

Subject to changes. Please also observe the further product documentation!

Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C

Commercial data


eCl@ss 10.0	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 8.0	EC002560
ETIM 7.0	EC002560
PU (SPU)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143369336
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Counterpart



Item no. 770-133
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-133



Item no. 770-233
Plug; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-233

Subject to changes. Please also observe the further product documentation!

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Item no. 770-6223
Linect® T-connector; 3-pole; Cod. A; 1 input; 2 outputs; white

www.wago.com/770-6223



Item no. 770-233/002-000
Plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-233/002-000



Item no. 770-233/035-050
Plug; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-233/035-050



Item no. 770-656
T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 2 locking levers; white

www.wago.com/770-656



Item no. 770-657
3-way distribution connector; 3-pole; Cod. A; 1 input; 3 outputs; white

www.wago.com/770-657



Item no. 770-658
5-way distribution connector; 3-pole; Cod. A; 1 input; 5 outputs; white

www.wago.com/770-658



Item no. 770-665
T-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; 3 locking levers; for flying leads; white

www.wago.com/770-665



Item no. 770-683
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 2 locking levers; white

www.wago.com/770-683



Item no. 770-685
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on both sides; 3 locking levers; for flying leads; white

www.wago.com/770-685



Item no. 770-684
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 2 locking levers; white

www.wago.com/770-684



Item no. 770-686
h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads; white

www.wago.com/770-686



Item no. 770-687
Distribution connector for switches; Single-pole switch and series circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; white

www.wago.com/770-687



Item no. 770-688
Distribution connector for switches; Single-pole and throttle two-way circuit; 3-pole; Cod. A/S; 1 input; 5 outputs; white

www.wago.com/770-688



Item no. 770-733
Snap-in plug; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-733

Subject to changes. Please also observe the further product documentation!



Item no.770-733/007-000
Snap-in plug; with direct ground contact; 3-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-733/007-000



Item no.770-833
Plug for PCBs; straight; 3-pole; Cod. A; white

www.wago.com/770-833



Item no.770-833/011-000
Plug for PCBs; angled; 3-pole; Cod. A; white

www.wago.com/770-833/011-000



Item no.771-9993/006-102
pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV-F 3G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9993/006-102

Required accessories

Locking levers

Locking system



Item no.: 770-121
Locking lever; for flying leads; for manual operation; white

www.wago.com/770-121



Item no.: 770-131
Locking lever; for flying leads; for tool operation; white

www.wago.com/770-131



Item no.: 770-101
Locking lever; for flying leads; for manual operation; black

www.wago.com/770-101



Item no.: 770-111
Locking lever; for flying leads; for tool operation; black

www.wago.com/770-111

Optional accessories

Marking accessories

Marker



Item no.: 770-450/000-002
Marker card; Plastic; yellow

www.wago.com/770-450/000-002



Item no.: 770-450/000-001
Marker card; Plastic; green

www.wago.com/770-450/000-001











Item no.: 770-450/000-005
Marker card; Plastic; red

www.wago.com/770-450/000-005

Subject to changes. Please also observe the further product documentation!



	Item no.: 770-450 Marker card; Plastic; white	www.wago.com/770-450
	Item no.: 770-450/000-006 Marker card; Plastic; blue	www.wago.com/770-450/000-006
	Item no.: 770-450/000-012 Marker card; Plastic; orange	www.wago.com/770-450/000-012
Cover		
Cover		
	Item no.: 770-201 Lockout cap; 12-pole, separable; for sockets; Plastic; black	www.wago.com/770-201
	Item no.: 770-221 Lockout cap; 12-pole, separable; for sockets; Plastic; white	www.wago.com/770-221
Shield termination		
Shield termination		
	Item no.: 770-523 Shield connecting plate; 3-pole; for sockets and plugs; silver-colored	www.wago.com/770-523
Tool		
Operating tool		
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719
	Item no.: 770-383 Operating tool; 3-way; green	www.wago.com/770-383

Downloads
Documentation

Bid Text			
770-223/035-050	2019 Feb 19	xml	Download
X81 - Datei		3.2 kB	
770-223/035-050	2018 Dec 14	doc	Download
doc - Datei		24.1 kB	

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-223/035-050

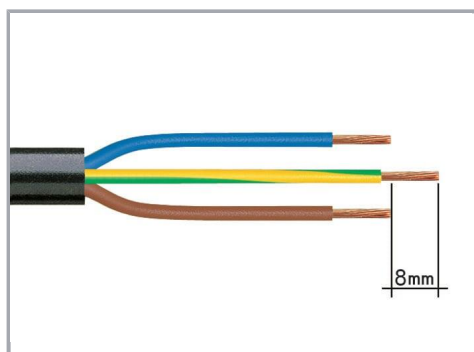
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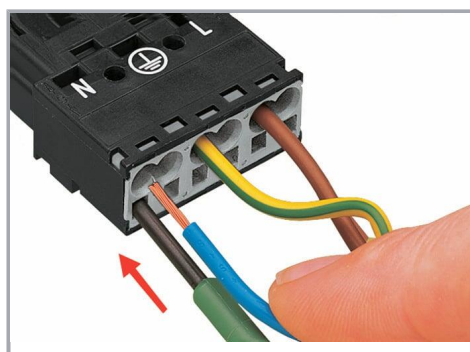
Socket; with strain relief housing; 3-pole; Cod. A; 4,00 mm²; white

Installation Notes

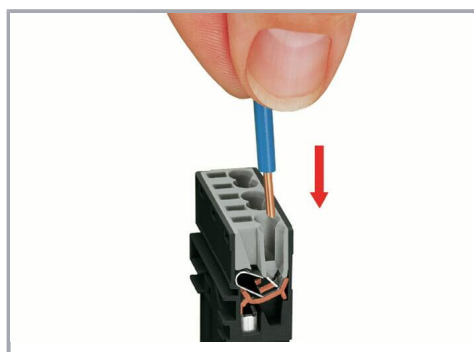
Conductor termination



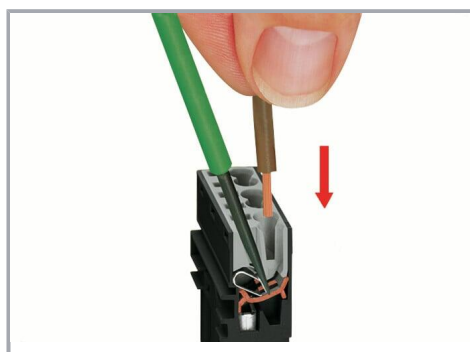
1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



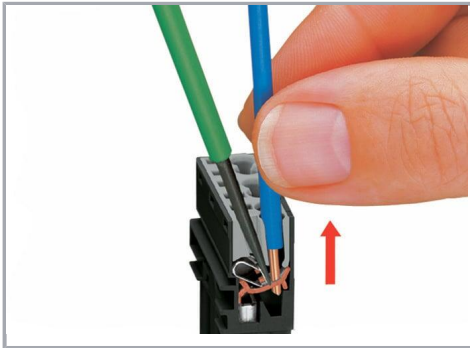
Insert the stripped solid conductor until it hits the backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.

Conductor removal

Subject to changes. Please also observe the further product documentation!

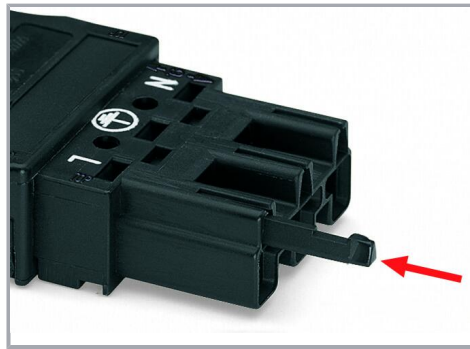


To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.

Coding

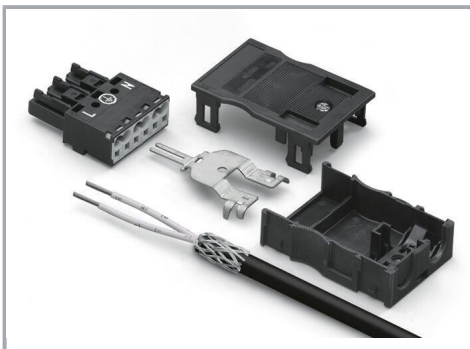


Simply cut off the coding pin from the socket.

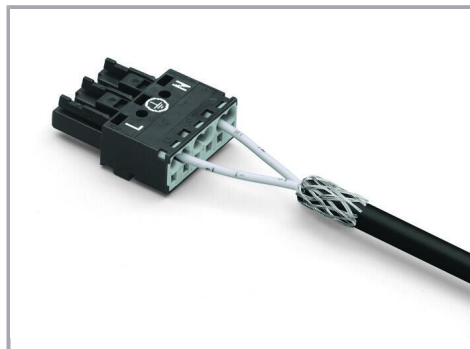


Insert coding pin into plug (break first) until it engages.

Shield termination



Connector with shield termination

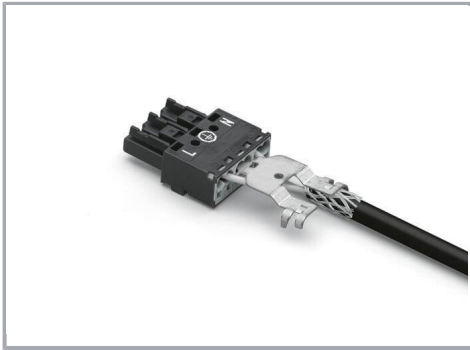


Apply the shield to the sheathed cable.

Strip length, outer insulation = 55 mm

Shield length = 10 mm

Subject to changes. Please also observe the further product documentation!



Push the shield connecting plate into the connector until fully inserted.



First insert the wired connector into a strain relief housing, then snap cover and tighten screw.

Product family

WINSTA® MIDI

[Show all products from the family](#)

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