



EPIC® POWERLOCK A1 S

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK A6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unshielded single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Screw contacts Page 697
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Panel-mount base, straight entry, flat gasket included
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

	ETIM 5.0 Class-ID: EC000437 ETIM 5.0 Class-Description: Housing for industrial connectors		Termination methods Screw termination: 50 - 120 mm ²
	Rated voltage (V) 1000 V		Material Housing: PBT Contact retention pin: PA
	Rated impulse voltage 8 kV		Protection rating IP 67 (maximum, dependant on cable gland used) IP 20 (unmated)
	Rated current (A) Screw max. 400 A		Cycle of mechanical operation 500
	Degree of soiling 3		VDE-tested VDE Reg. No. D42
	Contacts Screw termination: silver-plated brass		Temperature range -25°C up to +125°C
	Number of contacts 1		

Article Number	Article Description	Fastening Type	Pin Configuration
Type POWERLOCK A1, panel-mount box, drain for contact with M12 threaded post			
44420272	POWERLOCK A1 PE/GNPE	Ø 5.5 mm (4x)	PE, Green
44420308	POWERLOCK A1 N/BK	Ø 5.5 mm (4x)	N, Black
44420320	POWERLOCK A1 L1/RD	Ø 5.5 mm (4x)	L1, Red
44420310	POWERLOCK A1 L2/WT	Ø 5.5 mm (4x)	L2, White
44420311	POWERLOCK A1 L3/BL	Ø 5.5 mm (4x)	L3, Blue
Type POWERLOCK A6, panel-mount box, source for contact with M12 threaded post			
44420277	POWERLOCK A6 PE/GN	Ø 5.5 mm (4x)	PE, Green
44420312	POWERLOCK A6 N/BK	Ø 5.5 mm (4x)	N, Black
44420321	POWERLOCK A6 L1/RD	Ø 5.5 mm (4x)	L1, Red
44420314	POWERLOCK A6 L2/WT	Ø 5.5 mm (4x)	L2, White
44420315	POWERLOCK A6 L3/BL	Ø 5.5 mm (4x)	L3, Blue

GENUINE ARTICLE

THE ORIGINAL POWERLOCK SYSTEM



EPIC® POWERLOCK D6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



EPIC® POWERLOCK F6 S

Single-pin circular connector for mobile power distribution, electro motors and generators



Info

- Connector for unscreened single-core power cables

Suitable contacts:

- EPIC® POWERLOCK Screw contacts Page 697
- Housing without contact, order contact separately

Benefits

- Resistant to mechanical influences in harsh environmental conditions
- Connectors in harmonised colours according to European standards
- Every colour has a different coding to prevent incorrect plugging

Application range

- For renewable energy plants e.g. wind power
- For mobile and stationary power distribution
- For the connection of motors, transformers and generators
- Light & sound technology

Product features

- Straight connector with M40 thread
- Order SKINTOP® ST-M 40 or STR-M 40 separately
- Contact fixing by contact retention pin, each pin can only be used once
- Housing without contact, order contact separately

Technical data

	ETIM 5.0 Class-ID: EC000437 ETIM 5.0 Class-Description: Housing for industrial connectors		Termination methods Screw termination: 50 - 120 mm²
	Rated voltage (V) 1000 V		Material Housing: PBT Contact retention pin: PA
	Rated impulse voltage 8 kV		Protection rating IP 67 (maximum, dependant on cable gland used) IP 20 (unmated)
	Rated current (A) Screw max. 400 A		Cycle of mechanical operation 500
	Degree of soiling 3		VDE-tested VDE Reg. No. D42
	Contacts Screw termination: silver-plated brass		Temperature range -25°C up to +125°C
	Number of contacts 1		

Article Number	Article Description	M	Pin Configuration
Type POWERLOCK D6, cable connector, source for screw contact			
44420267	POWERLOCK D6 PE/GNPE	40	PE, Green
44420304	POWERLOCK D6 N/BK	40	N, Black
44420305	POWERLOCK D6 L1/RD	40	L1, Red
44420306	POWERLOCK D6 L2/WT	40	L2, White
44420307	POWERLOCK D6 L3/BL	40	L3, Blue
Type POWERLOCK F6, coupling connector, drain for screw contact			
44420262	POWERLOCK F6 PE/GN	40	PE, Green
44420300	POWERLOCK F6 N/BK	40	N, Black
44420301	POWERLOCK F6 L1/RD	40	L1, Red
44420302	POWERLOCK F6 L2/WT	40	L2, White
44420303	POWERLOCK F6 L3/BL	40	L3, Blue



SKINTOP® ST-M / SKINTOP® STR-M

SKINTOP® METRIC PLASTIC CABLE GLANDS • SKINTOP® STANDARD



Article number	Article designation / size	Clamping range ØF (mm)	SW wrench size (mm)	Overall length C (mm)	Thread length D (mm)	Pieces / PU
53111250	ST-M 40 x 1,5	19-28	46	52	10	10
53111350	STR-M40x1,5	15-23	46	52	10	10

GENUINE ARTICLE
THE ORIGINAL POWERLOCK SYSTEM

EPIC® POWERLOCK Screw contacts

Contacts, tools, accessories for circular connectors

Info

- Screw max. 400 A
- Do not plug with crimp-type (660 A)



Technical data

ETIM 5.0 Class-ID: EC000437
ETIM 5.0 Class-Description: Housing for industrial connectors

Article number	Article description	Version	Version	PU
Drain - contact with M12 threaded post for type POWERLOCK A1 S, contact retaining pin included				
44420241	POWERLOCK SP M12	for type A1	Contact Drain, M12 Thread for cable lugs	1
Source - contact with M12 threaded post for type POWERLOCK A6 S, contact retaining pin included				
44420242	POWERLOCK QP M12	for type A6	Lamella contact source, M12 thread for cable lug	1
Source - screw contact for type POWERLOCK D6 S, contact retaining pin included				
44420237	POWERLOCK QS 120	for type D6	120 mm ²	1
Drain - screw contact for type POWERLOCK F6 S, contact retaining pin included				
44420232	POWERLOCK SS 120	for type F6	120 mm ²	1

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

EPIC® POWERLOCK Tools

Contacts, tools, accessories for circular connectors

Technical data

ETIM 5.0 Class-ID: EC000149
ETIM 5.0 Class-Description: Tool set



Article number	Article description	Version	PU
Tools			
44420243	POWERLOCK DISCONNECTION TOOL	for mated connection	1

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EPIC® POWERLOCK Accessories

Contacts, tools, accessories for circular connectors



Article number	Article	For design	Version	PU
Protective caps				
44420252	POWERLOCK PROTECTION CAP A1	for type A1	IP54	1
44420253	POWERLOCK PROTECTION CAP A6	for type A6	IP54	1
44420251	POWERLOCK PROTECTION CAP D6	for type D6	IP54	1
44420250	POWERLOCK PROTECTION CAP F6	for type F6	IP54	1
Spare part: Contact retention pin				
44420259	POWERLOCK RETENTION PIN A1, A6	for type A1, A6		1
44420255	POWERLOCK RETENTION PIN D6	for type D6		1
44420254	POWERLOCK RETENTION PIN F6	for type F6		1
Conductor end sleeves for POWERLOCK screw contact				
44420244	POWERLOCK WIRE SLEEVE 120	Spare part for POWERLOCK 120 SS/QS contact	120 mm ²	1
44420245	POWERLOCK WIRE SLEEVE SET 95	Reduction set for POWERLOCK 120 SS/QS screw contact	95 mm ²	1
44420246	POWERLOCK WIRE SLEEVE SET 70	Reduction set for POWERLOCK 120 SS/QS screw contact	70 mm ²	1
44420247	POWERLOCK WIRE SLEEVE SET 50	Reduction set for POWERLOCK 120 SS/QS screw contact	50 mm ²	1

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