



## AS 21, AS 31 and AS 100 types

Energy connection pillars

# Energy connection pillars for mobile consumers

AS 21, AS 31 and AS 100 types

## Flexible in use

Energy connection pillars for mobile consumers are excellently suited to indoor and outdoor energy supply. The all-rounder which is available in two basic types already offers various connection options in the standard designs. The system, however, can also be individually modified and offers opportunities, for example, to integrate different media such as compressed air or liquids. The AS 100 type pillar represents an excellent example for individual needs. This special solution is required in order to maintain the loading gage between two tracks in the shunting area.

## Benefits at a glance

- Distributor made of 2mm sheet steel and additional reinforcement of particularly stressed parts
- Extendable equipment due to modular design
- Maximum UV resistance thanks to powder coating
- Excellent robustness
- Long-term protection thanks to dual corrosion protection (zinc-coated and powder-coated)
- Stainless steel designs available
- Optimum protection of your investment against vandalism, blows and impacts thanks to sturdy basic construction
- Energy connection pillar design available as:
  - standard sizes and standard equipment
  - standard sizes with individual equipment
  - special sizes with individual equipment

## Individual special solutions

In addition to individual equipment and special size design, the AS 21 and AS 31 types can be equipped with further media on site. Frames for winding up cables, fittings for compressed-air pistols or splashing water showers are available on demand. In case of designs with connected media such as compressed air or liquids, these media are to be provided by the customer and always have to be assembled separate from electrically conducting parts (in combination with electrical media always at least AS 31 type). We are pleased to help you in finding your optimum solution. We are at your disposal for an individual project planning.

## Fields of application

- Industry
- Track area of railway companies
- Shipbuilding/port facilities
- Power plants
- Maintenance and service area for vehicles
- Mechanical workshops
- Extensive company premises
- Parks, marketplaces, sports and leisure centers, public places, as a special solution with specific requirements, if necessary



AS 31

AS 21 in stainless steel design

## Equipment options

### Standard equipment

(Selected option, each with maximum equipment)

Pillar designation	FI feed-in (without back-up fuse)	Equipment of outgoing feeders					Order number
		Schuko	CEE 16 A		CEE 32 A	CEE 63 A	
		230V 16A	230V 3-pin	400V 5-pin	400V 5-pin	400V 5-pin	
AS 21-40000	40/0,03 A 4-polig	4	-	-	-	-	0050020
AS 21-31000	40/0,03 A 4-polig	3	1	-	-	-	0050021
AS 21-30100	40/0,03 A 4-polig	3	-	1	-	-	0050022
AS 21-30010	63/0,03 A 4-polig	3	-	-	1	-	0050023
AS 21-21010	63/0,03 A 4-polig	2	1	-	1	-	0050024
AS 21-20110	63/0,03 A 4-polig	2	-	1	1	-	0050025
AS 21-22000	40/0,03 A 4-polig	2	2	-	-	-	0050026
AS 21-20200	63/0,03 A 4-polig	2	-	2	-	-	0050027
AS 31-40040	63/0,03 A 4-polig	4	-	-	4	-	0050028
AS 31-40400	63/0,03 A 4-polig	4	-	4	-	-	0050029
AS 31-44000	40/0,03 A 4-polig	4	4	-	-	-	0050030
AS 100-40000	40/0,03 A-4 polig	4	0	0	0	-	0050206
AS 100-21010	40/0,03 A-4 polig	2	1	0	1	-	0050207
AS 100-20200	40/0,03 A-4 polig	2	0	2	0	-	0050208
AS 100-22000	40/0,03 A-4 polig	2	2	0	0	-	0050209

Circuit breakers for securing outgoing feeders			
16 A 1-pin	16 A 1-pin	16 A 3-pin	32 A 3-pin
Tripping characteristic B	Tripping characteristic C	Tripping characteristic C	Tripping characteristic C

## Individual equipment

It is based on standard options. Variable equipment available for:

- fault protection switches
- further currents and tripping characteristics of the circuit breakers
- number or designs of the power outlets (3-, 4-, 5-pin)

Housings are individually planned according to your requirements.



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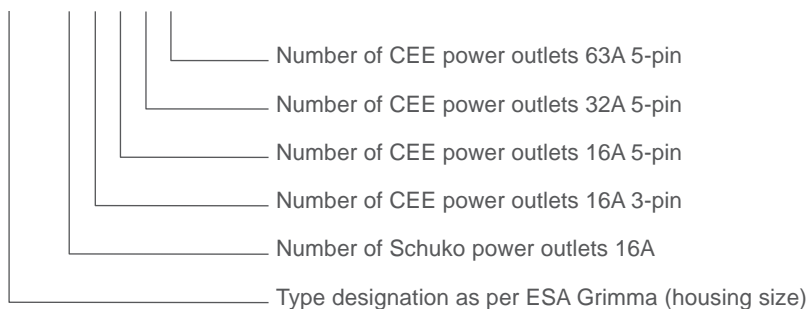
## AS 21, AS 31 and AS 100 types

### Technical data (abstract)

Degree of protection	IP44 (AS 21 / 31) IP42 AS 100 (further degrees of protection on demand)
Protection class	I (earthed)
Design	sheet steel sendzimir galvanized and plastic-powder coated
Dimensions (h x w x d in mm)	<b>AS 21:</b> 905 x 170 x 170, <b>AS 31:</b> 905 x 170 x 340, <b>AS 100:</b> 1000 x 100 x 420
Color	RAL 2009 (traffic orange), further RAL colors available upon customer request
request Connection diameter (in mm <sup>2</sup> )	from 5 x 1.5 <sup>2</sup> to 5 x 25 <sup>2</sup> (single wire), other diameters available upon request
Mounting space for installation equipment	<b>AS 21:</b> 12 module units, <b>AS 31:</b> 24 module units, <b>AS 100:</b> 12 module units
Rated operating voltage	AC 230/400 V 50 Hz
Feed-in nominal current	<b>AS 21:</b> bis 63 A, <b>AS 31:</b> bis 63 A, <b>AS 100:</b> bis 63 A
Earthing connection	M16
Operating flap	with sash lock (double bit or locking device upon customer request) AS 21 / AS 31 Cover flap with window AS 100 (knurled screw)

### Type code (example)

AS 21 - 2 0 1 1 0



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