



Power Tower PT6



Power Tower PT10

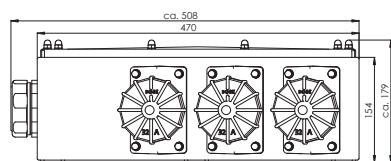
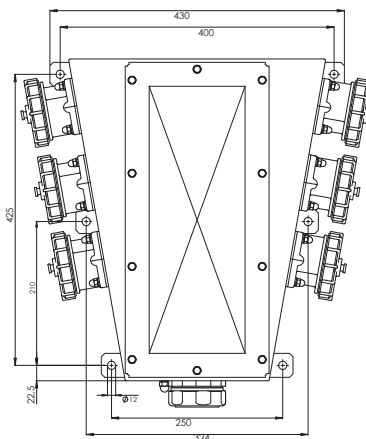
## Technical Data

Name & No.	Gang	Description
Power Panel PT6	2-6	<ul style="list-style-type: none"> <li>• IP 67</li> <li>• stainless steel housing, plastic flange, cable gland brass</li> <li>• 3P+PE</li> <li>• 32A</li> <li>• 400 - 440V</li> <li>• 50/60 Hz</li> <li>• 2 housing sizes from 2-10 gangs</li> <li>• plug-in positions retrofittable optional</li> <li>• flange without external elements</li> <li>• switch fastening uses unique snap-in technology</li> <li>• no interior actuating linkage</li> <li>• short-circuit breaking capacities in 10 kA and 25 kA version</li> <li>• powdercoated RAL 7006 (beige gray)</li> <li>• cable gland: M24x1,5 up to M72x2 optional</li> </ul>
Power Panel PT10	7-10	

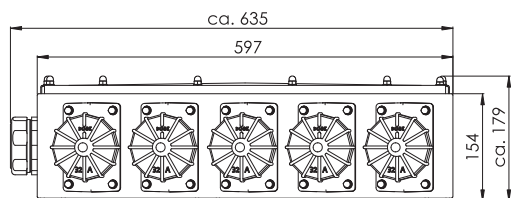
## Spare Parts on Request

Available in any RAL colour.

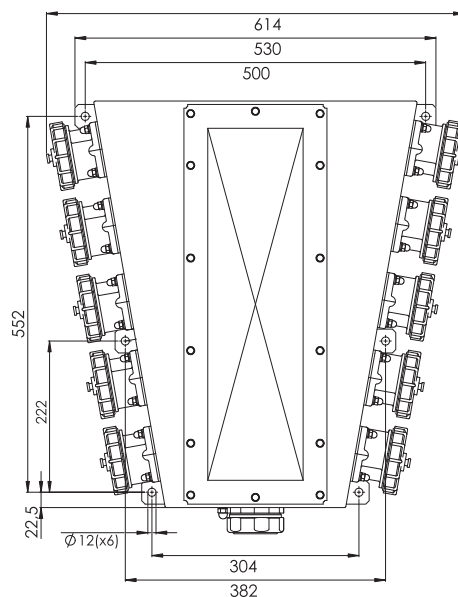
Additional available with LED indicator.



Power Tower PT6



Power Tower PT10



PP52  
PP72  
PP96

# Power Panel

Container Socket

karl-dose.de/**Power Panel**



Power Panel 96

**NEW**  
in our  
container socket  
range

## Technical Data

Name & No.	kg	Description
Power Panel 52	280,00	<ul style="list-style-type: none"> <li>• space saving multi-level configuration up to 96 gangs on 2m<sup>2</sup> only</li> <li>• freedom in plug-in positioning management already during design/construction phase</li> <li>• flexible planning of storing position on board to cover seasonal peak volume</li> <li>• easy upgrade of extra power thermal capacity: best efficiency due to limited space on board</li> <li>• special ergonomic 30° angle for safety and smooth operation</li> <li>• new safety lock by flap bayonet cap</li> <li>• approved safety with patented IP 67 Snap-In-Technology</li> <li>• with LED indicator based on new fiber optic technology</li> <li>• busbars integrated</li> <li>• rack, housing and cover made of stainless steel V2A, front rack powder coated RAL 1032</li> <li>• 160 A main breaker</li> <li>• integrated fan</li> <li>• granted access from outside, in case of failure</li> <li>• CEE 32A, 3P+PE, 3h, 440V AC, 60Hz, fixed wired design</li> <li>• circuit breaker with 25 kA, interrupting capacity</li> <li>• earthing terminal will be supplied</li> </ul>
Power Panel 72	403,00	
Power Panel 96	497,00	

## Spare Parts on Request



Power Panel 96 with plug



Alterations and technical developments reserved.



Snappy  
CSI 322 K



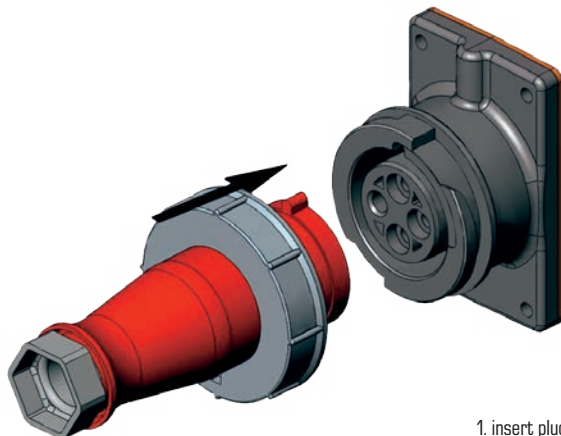
Snappy  
CSI 324 K



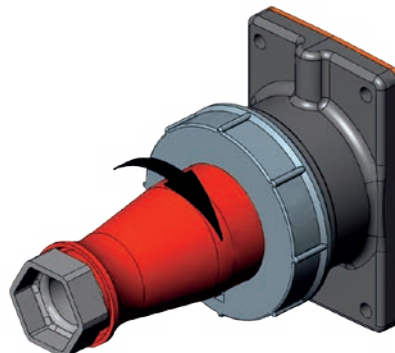
Snappy  
CSI 326 K



**Snap-In Technology**



1. insert plug



2. turn plug 90 degrees and secure bayonet

**Technical Data**

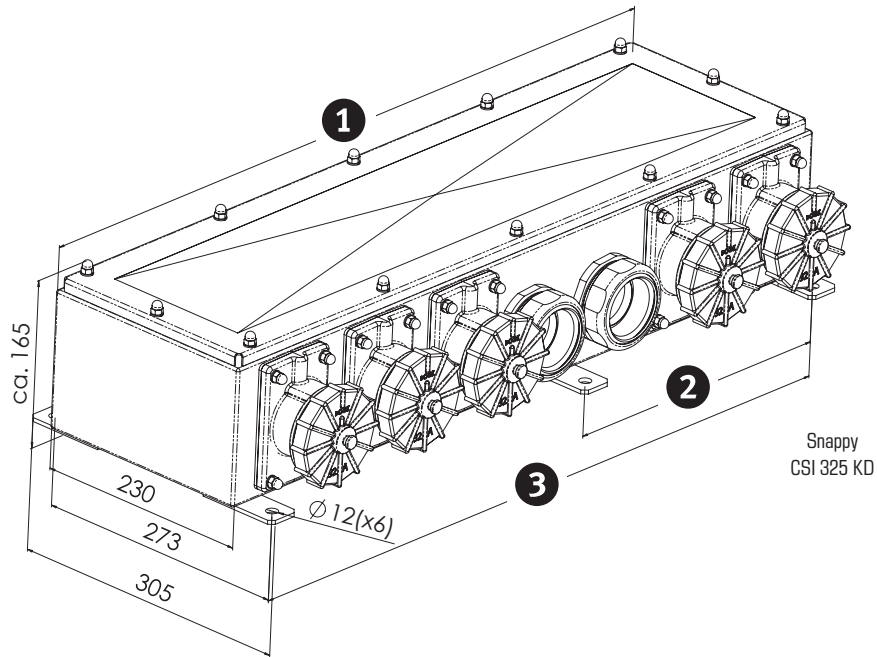
Name & No.	kg	Description
Snappy CSI321K	5,70	• IP 67
Snappy CSI322K	8,00	• stainless steel housing, plastic flange, cable gland brass
Snappy CSI323K	10,50	• 3P+PE
Snappy CSI324K	12,70	• 32A
Snappy CSI325K	15,00	• 400 - 440V
Snappy CSI326K	18,00	• 50/60 Hz
Snappy CSI327K	21,00	• flange without external elements
Snappy CSI328K	23,20	• switch fastening uses unique snap-in technology
Snappy CSI329KD	26,50	• no interior actuating linkage
Snappy CSI320KD	29,00	• with circuit breaker in 10 kA and 25 kA version
Snappy CSI3211KD	30,50	• powdercoated RAL 7006 (beige gray)
Snappy CSI3212KD	32,50	• cable gland: M24x1,5 up to M72x2 optional
Snappy CSI323KD	11,60	
Snappy CSI324KD	13,70	
Snappy CSI325KD	16,80	
Snappy CSI326KD	19,90	
Snappy CSI327KD	22,20	
Snappy CSI328KD	24,30	

Available in any RAL colour:

Available with brass flange.

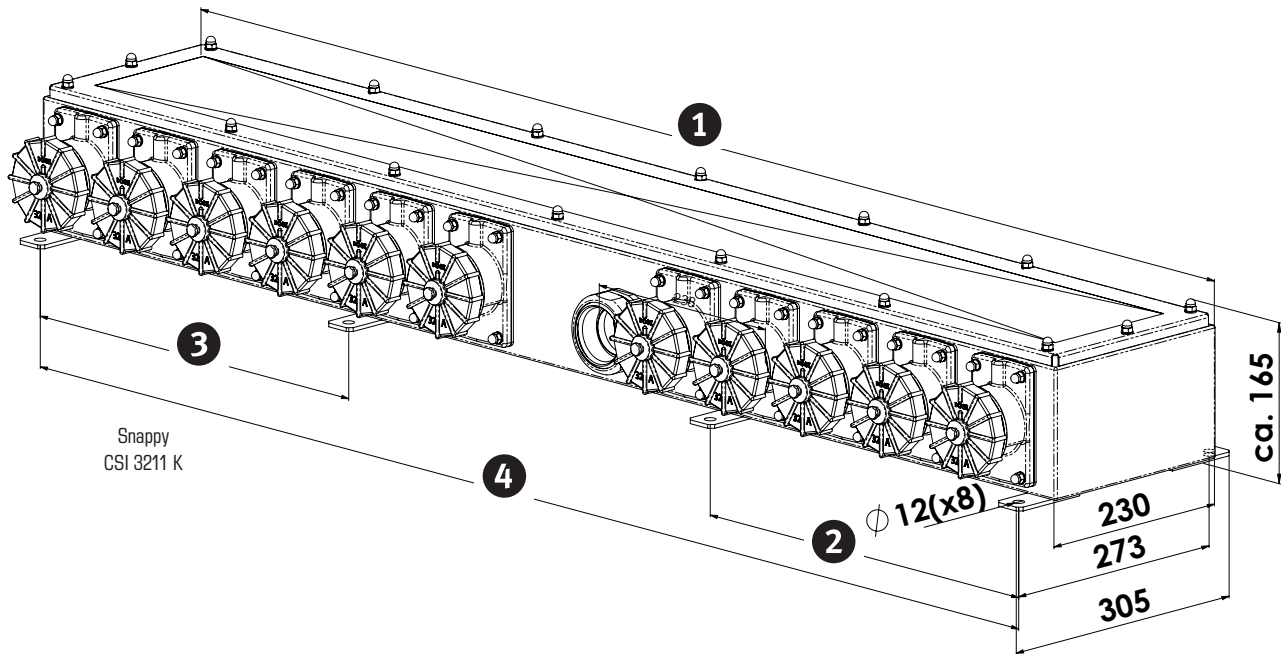
Additional available with LED indicator.

Alterations and technical developments reserved.

**Dimensions**

Name & No.	1	2	2
Snappy CSI321K	265mm	-	227mm
Snappy CSI322K	352mm	-	306mm
Snappy CSI323K	466mm	210mm	420mm
Snappy CSI324K	580mm	323mm	534mm
Snappy CSI325K	694mm	325mm	648mm
Snappy CSI326K	808mm	437mm	762mm
Snappy CSI329K	1220mm	644mm	1174mm
Snappy CSI323KD	536mm	190mm	490mm
Snappy CSI324KD	650mm	302mm	604mm
Snappy CSI325KD	764mm	302mm	718mm
Snappy CSI326KD	878mm	416mm	832mm

Container Socket with Snap-In-Technology and Non-Metallic Flange



**Dimensions**

Name & No.	1	2	3	4
Snappy CSI327K	922mm	216mm	273mm	876mm
Snappy CSI328K	1036mm	330mm	273mm	990mm
Snappy CSI320K	1334mm	644mm	273mm	1288mm
Snappy CSI3211K	1452mm	442mm	273mm	1402mm
Snappy CSI3212K	1562mm	556mm	273mm	1516mm

## Container Socket Extension with Snap-In-Technology and Non-Metallic Flange

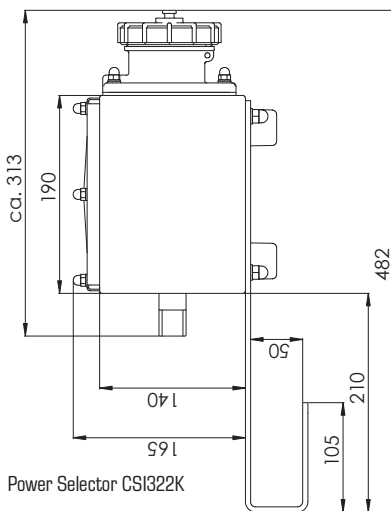


Power Selector CSI322K

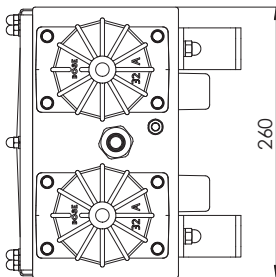


Power Selector CSI322K ergo

**NEW**  
in our  
container socket  
range



Power Selector CSI322K



Power Selector CSI322K

**Technical Data**

Name & No.	kg	Description
Power Selector CSI322K	6,7	<ul style="list-style-type: none"> <li>• extension for container sockets</li> <li>• IP 67</li> <li>• stainless steel housing and -mounting brackets plastic flange</li> <li>• 3P+PE</li> <li>• 32A</li> <li>• 380V, 400V - 440V</li> <li>• 50/60 Hz</li> <li>• flange without external elements</li> <li>• switch fastening with snap-in technology</li> <li>• no interior actuating linkage</li> <li>• short-circuit breaking capacities 10 kA</li> <li>• powder-coated RAL 7006 (beige gray)</li> <li>• brass cable gland: M24x1,5</li> <li>• Certification: German Lloyd</li> <li>• Also available with indicator LED</li> </ul>
Power Selector CSI322K ergo	6,7	<ul style="list-style-type: none"> <li>• extension for container sockets</li> <li>• IP 67</li> <li>• stainless steel housing and -mounting brackets plastic flange</li> <li>• 3P+PE</li> <li>• 32A</li> <li>• 380V, 400V - 440V</li> <li>• 50/60 Hz</li> <li>• flange without external elements</li> <li>• switch fastening with snap-in technology</li> <li>• no interior actuating linkage</li> <li>• short-circuit breaking capacities 10 kA</li> <li>• powder-coated RAL 7006 (beige gray)</li> <li>• brass cable gland: M24x1,5</li> <li>• with indicator LED</li> <li>• Certification: German Lloyd</li> </ul>

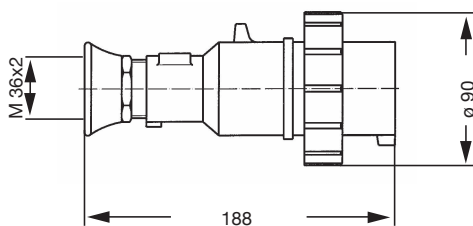
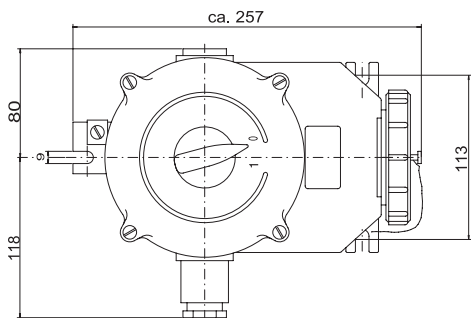
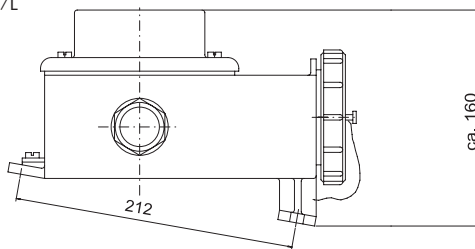
**Spare Parts on Request**

Available in any RAL colour.

## CEE-Socket and Plug 32A

Artemis  
2005/L

Artemis 2005/St

Artemis  
2005/L

Artemis 2005/St

## Technical Data

Name & No.	Diagram	kg	Description
Artemis 2005/R	O-	6,10	<ul style="list-style-type: none"> <li>• CEE-socket 32A</li> <li>• IP 56</li> </ul>
Artemis 2005/L	-O	6,10	<ul style="list-style-type: none"> <li>• brass casing and cover, plastic bayonet cap, glassfibre reinforced plastic socket interior, contact- and earthsleeve nickel plated</li> </ul>
Artemis 2005/D	-O-	6,25	<ul style="list-style-type: none"> <li>• 3P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M30x2</li> <li>• glassfibre reinforced plastic socket interior for worst mechanical conditions</li> <li>• constant contact-pressure by sleevesprings made of stainless steel</li> <li>• with switch 32A and mechanical blocking mechanism</li> <li>• undetachable cover screws M6</li> </ul>
Artemis 2005/St		1,50	<ul style="list-style-type: none"> <li>• CEE-plug 32A</li> <li>• IP 56</li> <li>• brass plug sleeve and bayonet ring, steatite plug interior</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M36x2 with threaded bushing</li> </ul>
Artemis 2005/P/St		0,31	<ul style="list-style-type: none"> <li>• CEE-plug 32A</li> <li>• IP 56</li> <li>• plastic casing, steatite plug interior</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M36x2 with threaded bushing</li> </ul>
Artemis 2005/P/K		0,39	<ul style="list-style-type: none"> <li>• CEE-coupling 32A</li> <li>• IP 56</li> <li>• plastic casing</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> </ul>

## Spare Parts

No.	kg	Description
2032	0,36	socket interior 32A
1432	0,57	switch interior 32A
32G	0,03	threaded ring M58x1,5
32	0,23	steatite plug interior 32A

When ordering, please state position of earth contact (o'clock position) or operation voltage.

Monitoring-socket, available with brass cap, supplement charge.

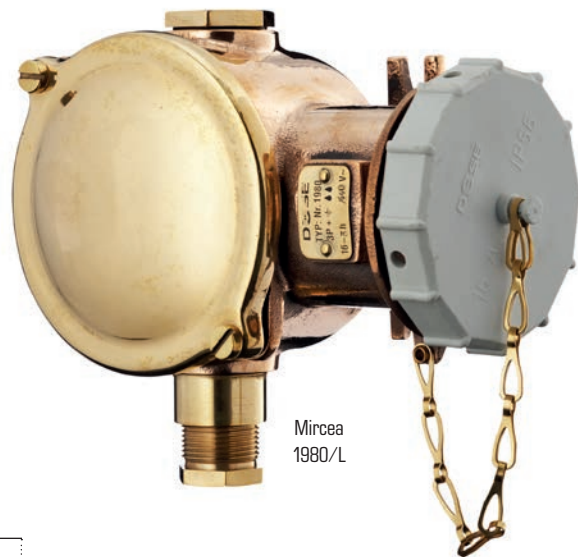
Polished products available for an extra charge.

Alterations and technical developments reserved.





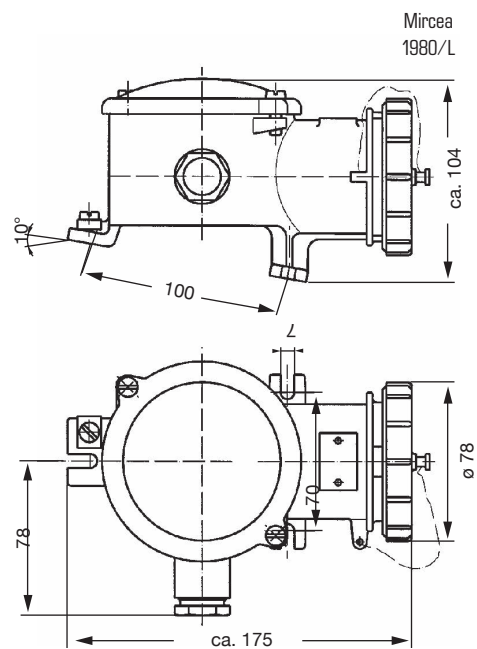
Mircea 1980/St



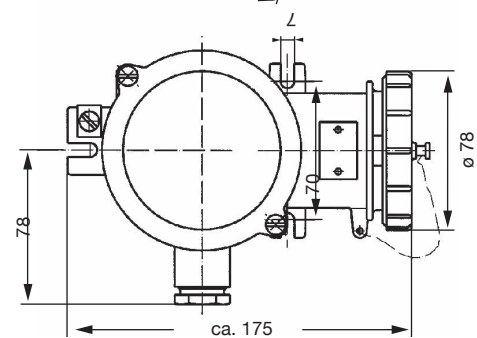
Mircea 1980/L

**Technical Data**

Name & No.	Diagram	kg	Description
Mircea 1980/R	O-	2,30	<ul style="list-style-type: none"> <li>• CEE-socket 16A</li> <li>• IP 56</li> </ul>
Mircea 1980/L	-O	2,30	<ul style="list-style-type: none"> <li>• brass casing and cover, plastic bayonet cap, steatite socket interior</li> <li>• 3P+PE</li> </ul>
Mircea 1980/D	-O-	2,40	<ul style="list-style-type: none"> <li>• max. 500V AC</li> <li>• cable gland: M24x1,5</li> <li>• undetachable cover screws M6</li> </ul>
Mircea 1980/St		1,10	<ul style="list-style-type: none"> <li>• CEE-plug 16A</li> <li>• IP 56</li> <li>• brass plug sleeve and bayonet ring, steatite plug interior</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M30x2 with threaded bushing</li> </ul>
Mircea 1980/P/St		0,25	<ul style="list-style-type: none"> <li>• CEE-plug 16A</li> <li>• IP 56</li> <li>• plastic casing, steatite plug interior</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M30x2 with threaded bushing</li> </ul>
Mircea 1980/P/K		0,30	<ul style="list-style-type: none"> <li>• CEE-coupling 16A</li> <li>• IP 56</li> <li>• plastic casing</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> </ul>



Mircea 1980/L



**Spare Parts**

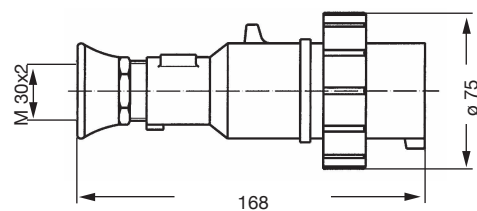
No.	kg	Description
2016	0,20	steatite socket interior 16A 3P+PE
16	0,14	steatite plug interior 16A 3P+PE

When ordering, please state position of earth contact (o'clock position) or operation voltage.

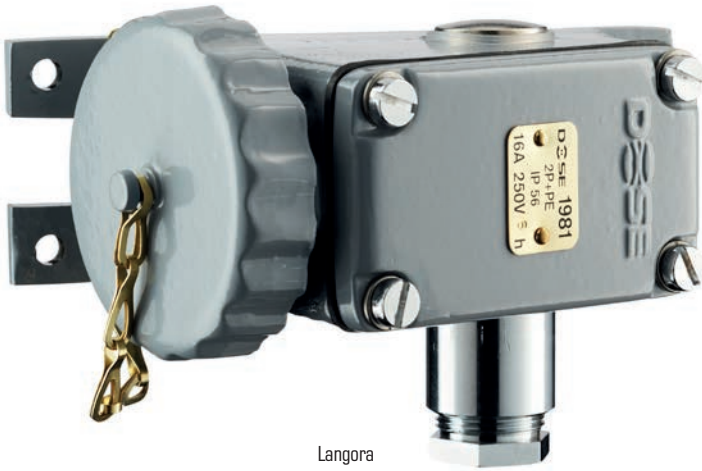
Sockets 32A and 63A without switch and locking mechanism available.

Available with brass cap, supplement charge.

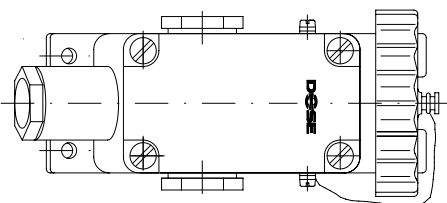
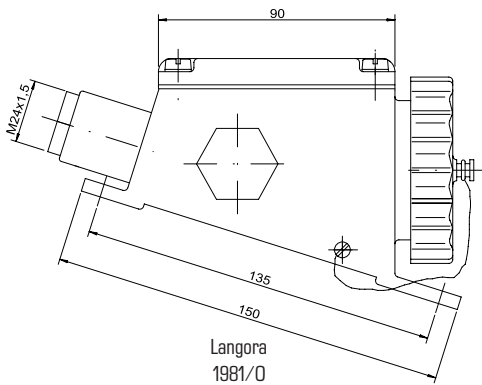
Polished products available for an extra charge.



Mircea 1980/St

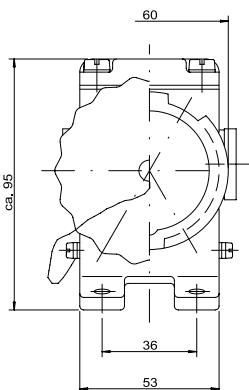
Langora  
1981/R**Technical Data**

Name & No.	Diagram	kg	Description
Langora 1981/R	O-	1,32	<ul style="list-style-type: none"> <li>• CEE-socket 16A</li> <li>• IP 56</li> </ul>
Langora 1981/L	-O	1,32	<ul style="list-style-type: none"> <li>• brass casing, cover and bayonet cap powder coated, plastic socket interior</li> <li>• 2P+PE</li> </ul>
Langora 1981/D	-O-	1,39	<ul style="list-style-type: none"> <li>• max. 500V AC</li> <li>• cable gland: M24x1,5</li> <li>• undetachable cover screws M6</li> </ul>
Langora 1981/O	0	1,32	
Langora 1981/St		1,00	<ul style="list-style-type: none"> <li>• CEE-plug 16A</li> <li>• IP 56</li> <li>• brass plug sleeve and bayonet cap, plastic plug interior</li> <li>• 2P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M24x1,5 with threaded bushing</li> </ul>

**Spare Parts**

No.	kg	Description
1981ED	0,10	plastic socket interior 16A 2P+PE
1981ES	0,10	plastic plug interior 16A 2P+PE

When ordering, please state position of earth contact (o'clock position) or operation voltage.





Archon 2050/D

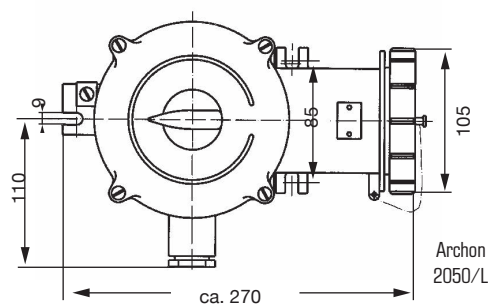
**Technical Data**

Name & No.	Diagram	kg	Description
Archon 2050/R	O-	6,80	<ul style="list-style-type: none"> <li>• CEE-socket 63A</li> <li>• IP 56</li> </ul>
Archon 2050/L	-O	6,80	<ul style="list-style-type: none"> <li>• brass casing, cover and bayonet cap, steatite socket interior</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> </ul>
Archon 2050/D	-O-	6,90	<ul style="list-style-type: none"> <li>• cable gland: M36x2</li> <li>• with switch 63A and mechanical locking mechanism</li> <li>• undetachable cover screws M6</li> </ul>
Archon 2050/P/St		0,66	<ul style="list-style-type: none"> <li>• CEE-plug 63A</li> <li>• IP 56</li> <li>• plastic casing, steatite plug interior</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> <li>• cable gland: M45x2 with threaded bushing</li> </ul>
Archon 2050/P/K		0,92	<ul style="list-style-type: none"> <li>• CEE-coupling 63A</li> <li>• IP 56</li> <li>• plastic casing</li> <li>• 3P+PE</li> <li>• max. 500V AC</li> </ul>

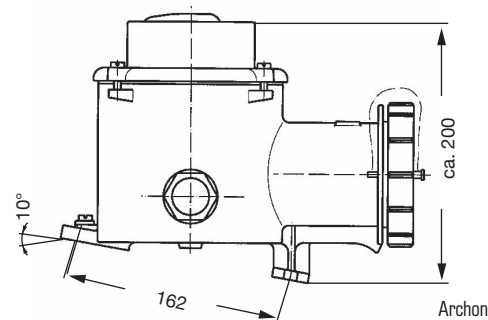
**Spare Parts**

No.	kg	Description
2063	0,76	socket interior 63A
1463	0,86	switch interior 63A

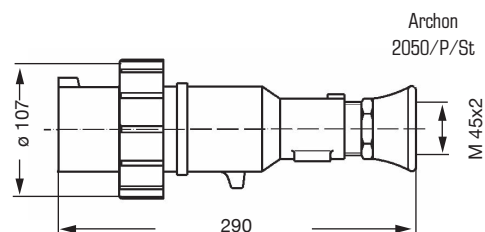
When ordering, please state position of earth contact (o'clock position) or operation voltage.



Archon 2050/L



Archon 2050/L



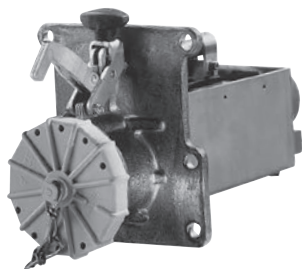
Archon 2050/P/St



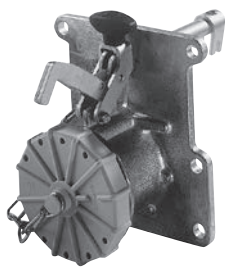
# Spare Parts

## Container Sockets

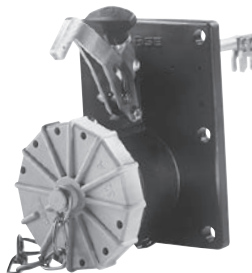
karl-dose.de



CPS-E



CS-FK



CSK-FK



CB 125

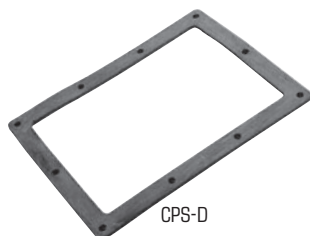


CB 63

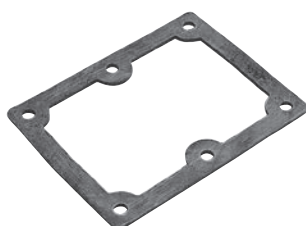


Artemis  
2005/P/St

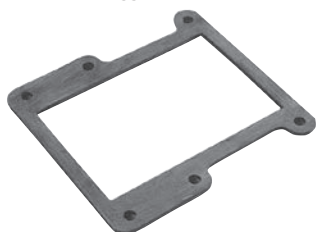
CSI flange Ks



CPS-D



CSK-F



CPS-F

### Spare Parts

No.	for	kg	Description
CPS-E	CPS	3,20	operational unit 32A with circuit breaker and mechanical locking device
CPS-F	CPS	0,03	flange sealing
CPS-D	CPS	0,70	cover sealing
CS-FK	CS	2,90	brass flange 32A with mechanical locking device and flange sealing
CSK-FK	CS	0,56	non-metallic flange 32A with mechanical locking device and flange sealing
CSK-F	CS	0,02	flange sealing
CS-FK	CCS	2,90	brass flange 32A with mechanical locking device and flange sealing
CSK-FK	CCS	0,56	non-metallic flange 32A with mechanical locking device and flange sealing
CSK-F	CCS	0,01	flange sealing
CSI flange Ms	CSI	2,00	brass flange 32A with flange sealing and circuit breaker (10kA or 25kA)
CSI flange Ks	CSI	0,56	non-metallic flange 32A with flange sealing and circuit breaker (10kA or 25kA)
CSI-F	CSI	0,01	flange sealing
CB63	CPS, CS, CCS	0,58	circuit breaker, breaking capacity 10kA
CB125	CPS, CS, CCS	1,08	circuit breaker, breaking capacity 25kA
Mon.1750	CPS, CS, CCS	0,10	monitoring-socket with 1.750mm cable

When ordering these spare parts, please state hull no. and name of the ship.



Alterations and technical developments reserved.



1432



2032



16, 32, 63

### Spare Parts

No.	for	kg	Description
2032	2005	0,36	socket interior 32A
1432	2005	0,57	switch interior 32A
32	2005	0,23	plug interior 32A
32G	2005	0,03	threaded ring M58x1.5
32K	2005	0,08	plastic bayonet cap 32A
32K/Ms	2005	0,37	brass bayonet cap 32A
Knebel	2005	0,01	Toggle for 32A socket
2016	1980	0,20	steatite socket interior 16A 3P+PE
16	1980	0,14	steatite plug interior 16A 3P+PE
1981ED	1981	0,10	plastic socket interior 16A 2P+PE
1981ES	1981	0,10	plastic plug interior 16A 2P+PE
2063	2050	0,76	socket interior 63A
1463	2050	0,86	switch interior 63A
16K	1980	0,05	plastic bayonet cap 16A
16K/Ms	1980	0,19	brass bayonet cap 16A



16K



32K



32G

## CEE Sockets and Plugs

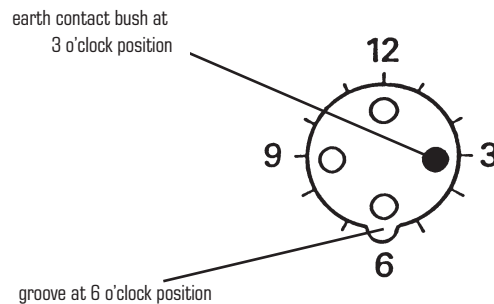
CEE sockets and plugs for refrigerated containers are made to CEE Publication 17/2, DIN 49462/63, IEC Publication 309 and ISO 1496.

This international specification features an identification groove to suit the earth contact bush on the socket and a matching lug relative to the earth contact pin on the plug thus ensuring that only plugs that are identical

in respect of power, voltage and frequency rating with the socket, can be plugged into the socket.

The position of the earth contact bush is shown as a clock hand position.

Example of clock hand position on socket (plug corresponds to the mirror image of this clock hand position):



### Example of Clock Hand Position on Socket:

(plug corresponds to the mirror image of this clock hand position)

Clockwise position of earthing contacts	4 h	9 h	6 h	11 h	7 h	3 h
Frequency	50 Hz or 60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz	60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz
Voltage	110-130V	220-240V	380-415V	440V	480-500V	380-440V
3-pole+E						

**Degree of Protection Against Solid Foreign Objects**

First Code Number	Definition	Summary
0	-	Non-protected
1	The object probe, sphere of 50mm $\varnothing$ , shall not fully penetrate	Protected against solid foreign objects of 50mm $\varnothing$ and greater
2	The object probe, sphere of 12,5mm $\varnothing$ , shall not fully penetrate	Protected against solid foreign objects of 12,5mm $\varnothing$ and greater
3	The object probe of 2,5mm $\varnothing$ shall not penetrate at all	Protected against solid foreign objects of 2,5mm $\varnothing$ and greater
4	The object probe of 1,0mm $\varnothing$ shall not penetrate at all	Protected against solid foreign objects of 1,0mm $\varnothing$ and greater
5	Ingress of dust is not totally prevented, but dust shall not penetrate in a quantity to interfere with satisfactory operation of the apparatus or to impair safety	Dust-protected
6	No ingress of dust	Dust-tight

**Degree of Protection Against Water**

Second Code Number	Definition	Summary
0	-	Non-protected
1	Vertically falling drops shall have no harmful effects	Protected against vertically falling water drops
2	Vertically falling drops shall have no harmful effects when the enclosure is tilted at any angle up to 15° on either side of the vertical	Protected against vertically falling water drops when enclosure tilted up to 15°
3	Water sprayed at an angle up to 60° on either side of the vertical shall have no harmful effects	Protected against spraying water
4	Water splashed against the enclosure from any direction shall have no harmful effects	Protected against splashing water
5	Water projected in jets against the enclosure from any direction shall have no harmful effects	Protected against water jets
6	Water projected in powerful jets against the enclosure from any direction shall have no harmful effects	Protected against powerful water jets
7	Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is temporarily immersed in water under standardized conditions of pressure and time	Protected against the effects of temporary immersion in water
8	Ingress of water in quantities causing harmful effects shall not be possible when the enclosure is continuously immersed in water under conditions which shall be agreed between manufacturer and user but which are more severe than for numeral 7	Protected against the effects of continuous immersion in water

**example IP 54**

first code number 5 = dust-protected  
second code number 4 = protected against splashing water

Attention: code citation without engagement