

# DSN

DECONTACTOR™

## The range

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Food processing



Chemical industry



Port facilities

## The universal plug and socket-outlet with an automatic IP66/67

With the DSN range, MARECHAL ELECTRIC provides the only plug and socket-outlet that remains watertight in every situation. Such watertightness is provided just by inserting the

plug and is maintained when you remove the plug from the socket-outlet and close the lid. There is no need to turn any sealing ring!

And water treatment, wood and paper processing plants, construction site equipment ...

## Electrical features

- From **20** to **63** Amps - Voltage up to 1 000 Volts AC and up to 250 Volts DC
- Integral switching device as defined in clause 2.8 of IEC / EN 60309-1 standard
- Equipped with silver-nickel butt-contacts and metal braid for added reliability and lifetime
- Socket-outlet safety shutter provides **IP4X** protection
- Unique keying system allows discrimination between 24 different power supplies (*voltage, frequency, AC and DC current*)
- Number of cycles under normal operation and overload conditions from 2 to 8 times (*depending on rated current*) more than those required by IEC / EN 60309-1 standard
- Versions with 2 auxiliary contacts (*32A*) and 4 auxiliary contacts (*63A*)

## Mechanical features

- IP66 and IP67 automatic watertightness as standard



Push the plug into the socket-outlet: a "click" indicates that connection has been established and that IP66/67 has been achieved.



Remove the plug from the socket-outlet and close the lid: the same "click" indicates that IP66/67 has been achieved.

- Resistance to high pressure washing
- Casings made of glass fibre reinforced polyester providing excellent resistance:
  - to most chemicals and environmental conditions (*including UV and Gamma rays*)
  - to shocks (**IK08**) in a broad range of temperatures
- Ambient temperature: **-40 °C to +60 °C** (*for temperatures outside this range, please contact us*)
- Spring-assisted terminals unaffected by vibrations and thermal cycling
- Self-opening lid; self-returning lid on request

## Regulatory features

DSN decontactors comply with:

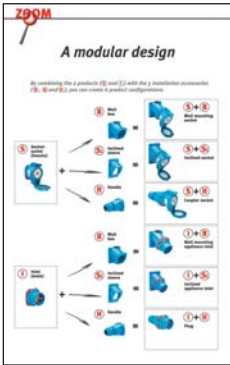
- The **IEC 60309-1** International standard and **EN 60309-1** European standard (*plugs and socket-outlets for industrial purposes*),
- The European Low Voltage Directive (*decree N°95-1081 dated 3<sup>rd</sup> October 1995*),
- The French decree **N° 88-1056** dated 14<sup>th</sup> November 1988 relating to workers' protection,
- The decrees relating to workers' protection in Belgium, Spain and Italy,
- The load breaking capacity according to utilisation categories **AC 22** and **AC 23** of **IEC / EN 60947-3** (*switch standard*).

Also certified by **VERITAS LCIE**, **UL**, **AS** and **CSA** (*French, American, Australian and Canadian inspection laboratories*).





### Marechal's modular system



DSN deconnectors meet the modularity system described on the front cover flap. Before consulting the 'part number' pages, determine the parts required for the needed configuration.



Example : a **wall mounting socket-outlet** includes an active part, the socket-outlet (female) and an installation accessory,

the **wall box**. Each part has its own part number. Therefore, the order should have **two part numbers**.

### DSN part number system

- **Standard** DSN part numbers are made up of 7 characters. All part numbers start with a '6'.
- The choice of an **option** or a **version with auxiliary contacts** results in adding a suffix (from 1 to 3 characters).

1 <sup>st</sup> character	2 <sup>nd</sup> character	3 <sup>rd</sup> character	4 <sup>th</sup> character	Characters from 5 to 7		
Range	Casing	Rated current	Usage	Supply voltage**	Frequency	Polarity
<b>6 = DSN</b>	1 = Blue poly	1 = <b>DSN1</b> (20 A)	4 = Socket-outlet	<b>08A</b> = 20 - 24 V	50 Hz	2P
	4 = Grey poly	3 = <b>DSN3</b> (32 A)	8 = Inlet	<b>035</b> = 110 - 130 V	50 Hz	1P+N+E
	5 = Black poly	6 = <b>DSN6</b> (63 A)		<b>033</b> = 190 - 230 V	50 Hz	3P+E
				<b>015</b> = 220 - 250 V	50 Hz	1P+N+E
				<b>013</b> = 380 - 440 V	50 Hz	3P+E
				<b>017</b> = 380 - 440 V	50 Hz	3P+N+E
			A = Installation accessory	<b>013</b> = Handle		
				<b>027</b> = Inclined sleeve		
				<b>053</b> = Wall box		

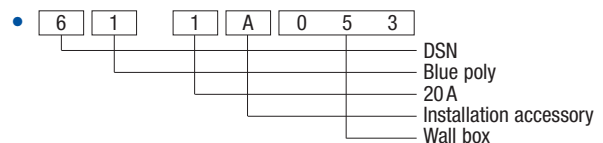
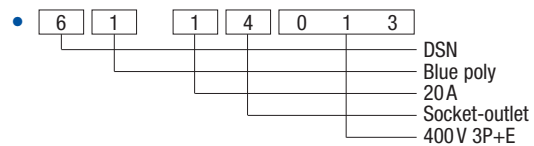
\*\* 24 different power supplies (voltage, frequency) and 12 polarities are available: see international standard and colour-code on page 8

### Check that the DSN part number meets the need ...

Example : the need is for a 20A, 400V, 3P+E blue poly wall mounting socket.

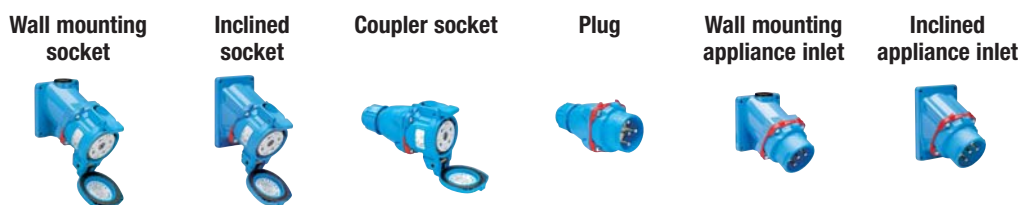
- The DSN with a 20A rated current is **DSN1** (see pages 22 and 23).
- Order a **20A socket-outlet (S)** and a **wall box (B)**.
- In the standard socket-outlet part number table, select the part number for a 400V, 3P+E socket-outlet: **61 14 013**
- In the standard wall box part number table, choose the accessory that suits you e.g. a 30° blue poly wall box with a M20 threaded entry: **61 1A 053**

You can check the two part numbers found:



## The DSN core range

The following table describes the most frequent configurations. Take a look: if the required configuration is there, do not look further in the 'part number' pages. Each configuration includes two part numbers: one for the active part (*socket-outlet or inlet*) and one other for the installation accessory (*wall box, inclined sleeve or handle*).



Active part:	Socket-outlet	Socket-outlet	Socket-outlet	Inlet	Inlet	Inlet
+ installation accessory:	<b>B</b> Wall box	<b>Si</b> Inclined sleeve	<b>H</b> Handle	<b>H</b> Handle	<b>B</b> Wall box	<b>Si</b> Inclined sleeve

### DSN<sub>1</sub> 20 A

Voltage	Polarity	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
230V	1P+N+E	61 14 015	61 14 015	61 14 015	61 18 015	61 18 015	61 18 015
	+ installation accessory:	61 1A 053	61 1A 027	61 1A 013	61 1A 013	61 1A 053	61 1A 027
400V	3P+E	61 14 013	61 14 013	61 14 013	61 18 013	61 18 013	61 18 013
	+ installation accessory:	61 1A 053	61 1A 027	61 1A 013	61 1A 013	61 1A 053	61 1A 027
400V *	3P+N+E	61 14 017 *	61 14 017 *	61 14 017 *	61 18 017	61 18 017	61 18 017
	+ installation accessory:	61 1A 053	61 1A 027	61 1A 013	61 1A 013	61 1A 053	61 1A 027

Example described at bottom of previous page

### DSN<sub>3</sub> 32 A

Voltage	Polarity	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
230V	1P+N+E	61 34 015	61 34 015	61 34 015	61 38 015	61 38 015	61 38 015
	+ installation accessory:	61 3A 053	61 3A 027	61 3A 013	61 3A 013	61 3A 053	61 3A 027
400V	3P+E	61 34 013	61 34 013	61 34 013	61 38 013	61 38 013	61 38 013
	+ installation accessory:	61 3A 053	61 3A 027	61 3A 013	61 3A 013	61 3A 053	61 3A 027
400V *	3P+N+E	61 34 017 *	61 34 017 *	61 34 017 *	61 38 017	61 38 017	61 38 017
	+ installation accessory:	61 3A 053	61 3A 027	61 3A 013	61 3A 013	61 3A 053	61 3A 027

### DSN<sub>6</sub> 63 A

Voltage	Polarity	Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
230V	1P+N+E	61 64 015	61 64 015	61 64 015	61 68 015	61 68 015	61 68 015
	+ installation accessory:	61 6A 053	61 6A 027	61 6A 013	61 6A 013	61 6A 053	61 6A 027
400V	3P+E	61 64 013	61 64 013	61 64 013	61 68 013	61 68 013	61 68 013
	+ installation accessory:	61 6A 053	61 6A 027	61 6A 013	61 6A 013	61 6A 053	61 6A 027
400V *	3P+N+E	61 64 017 *	61 64 017 *	61 64 017 *	61 68 017	61 68 017	61 68 017
	+ installation accessory:	61 6A 053	61 6A 027	61 6A 013	61 6A 013	61 6A 053	61 6A 027

\* A dual voltage 230/400V socket-outlet with 3P+N+E accepts a 400V plug with 3P+N+E or 3P+E as well as a 230V plug with 1P+N+E (see front cover flap).



### Main features:

• (socket-outlet) IP	66/67	• Wiring (min - max) flexible	1 / 2.5 mm <sup>2</sup>
• (socket-outlet + inlet) IP	66/67	• Wiring (min - max) stranded	1.5 / 4 mm <sup>2</sup>
• IK	08	• Other wiring on request	
• U <sub>max</sub>	500 V AC - 250 V DC	max flexible / stranded	10 / 16 mm <sup>2</sup>

• Rated currents (IEC / EN 60309-1)	20 A / 400V	20 A / 500V
• Rated currents and operating voltages (load breaking capacity according to IEC / EN 60947-3)	20 A / 400V (AC23)	20 A / 500V (AC22)

## **S** Socket-outlet (female)

## **I** Inlet (male)



### Main options

Device for self-ejecting coupler socket\*



Device for self-ejecting plug\*

\* See Operating Instruction on page 168



Padlocking shaft  
(Padlock not supplied)

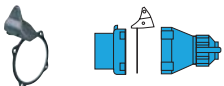


Stop button

### Accessories



IP67 Inlet cap



Ejecting mechanism (shark fin)



Tension cord

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Polyester	61 14 08A
110 - 130 V	1P+N+E	Polyester	61 14 035
190 - 230 V	3P+E	Polyester	61 14 033
220 - 250 V	1P+N+E	Polyester	61 14 015
380 - 440 V	3P+E	Polyester	61 14 013
Dual voltage*	3P+N+E	Polyester	61 14 017

\* See front cover flap

Other voltages, polarities: see page 8

Version with self-closing lid (IP54):  
Please consult us

### Socket-outlet options

Device for self-ejecting coupler socket	Socket # + 354
Device for self-ejecting plug	Socket # + 352
Self-returning lid	Socket # + R
180°-opening lid	Socket # + 10
180°-opening and self-returning lid	Socket # + 18
Padlocking shaft for 1 padlock 3 mm Ø	Socket # + 840
Padlocking shaft up to 3 padlocks 3 mm Ø	Socket # + 844
Stop button	Socket # + 453

If you want to equip a socket-outlet with two or more options:  
call us at +33 (0) 1 45 11 60 00.

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Polyester	61 18 08A
110 - 130 V	1P+N+E	Polyester	61 18 035
190 - 230 V	3P+E	Polyester	61 18 033
220 - 250 V	1P+N+E	Polyester	61 18 015
380 - 440 V	3P+E	Polyester	61 18 013
380 - 440 V	3P+N+E	Polyester	61 18 017

### Inlet accessories

IP67 cap	61 1A 126
Ejecting mechanism (shark fin)	61 1A 338
Tension cord	31 1A 336

**Also see:**

Full range of boxes page 86  
Dimensions page 28  
Technical Manual page 150

## Installation accessories

### B Box

	Wall box poly 30°	Wall box poly 70°
Entry		
M20	61 1A 053	51 AA 058
M25		51 AA 058
M32		51 AA 058

The boxes are supplied without any cable gland.  
The 70° boxes are not drilled (drilled at extra cost).

### Si Sleeve

	Inclined poly 30°	Inclined poly 70°
Entry	61 1A 027	51 AA 757

### H Handle

	Straight poly	Angled poly
Cable dia.		
8 - 18 mm	61 1A 013	01 NA 313
5 - 21 mm	61 1A 413	

Handle for flat or steel armoured cables on request.



Cable dia.	Entry	Entry
6 - 12 mm	61 1A 753	61 1A 463
13 - 18 mm	61 1A 253 25P	61 1A 443 25P
18 - 25 mm	61 1A 253 32P	61 1A 443 32P

Entry	M20	61 1A 253 417
M25	61 1A 253 418	
M32	61 1A 253 419	

\* Cable gland on request.

### A Industrial – Domestic adapters



Domestic socket-outlet 10/16A 230V  
+ Marechal industrial inlet 1P+N+E

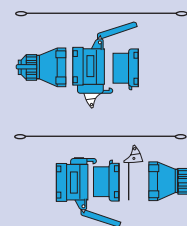
Type	Material	Part number
UK	Poly	61 18 015 D40 *
FR with safety shutter	Poly	61 18 015 D16

\* All these domestic socket-outlets are available to foreign standards : replace D40 by D11 for France, D30 for Germany, D06 for Italy, D08 for Switzerland, D67 for Australia, D80 for USA etc



### Self-ejection

Both DSN sockets and plugs can be modified for self-ejection purposes e.g. for use on vehicles, movable vessels, trailers etc.



See page 168 for guidance notes or contact us with your application for assistance.



### Supply boxes for emergency vehicles

with self-ejecting coupler socket



See description on page 137



### Main features:

• (socket-outlet) IP	66/67	• Wiring (min - max) flexible	2.5 / 6 mm <sup>2</sup>
• (socket-outlet + inlet) IP	66/67	• Wiring (min - max) stranded	2.5 / 10 mm <sup>2</sup>
• IK	08	• Other wiring on request	
• U <sub>max</sub>	690 V AC - 250 V DC	max flexible / stranded	10 / 16 mm <sup>2</sup>

• Rated currents (IEC / EN 60309-1)	32 A / 400V	32 A / 500V	32 A / 690V
• Rated currents and operating voltages (load breaking capacity according to IEC / EN 60947-3)	32 A / 400V (AC23)	32 A / 500V (AC22)	32 A / 690V (AC22)

## S Socket-outlet (female)



## I Inlet (male)



### Main options



Device for self-ejecting coupler socket\*



Device for self-ejecting plug\*

\* See Operating Instruction on page 168



Padlocking shaft  
(Padlock not supplied)



Stop button

### Accessories



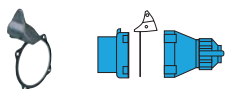
IP67 Inlet cap



Self-closing lid for inlet



Closing mechanism  
(finger draw plates sold per unit)



Ejecting mechanism (shark fin)



Tension cord

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Polyester	61 34 08A
110 - 130 V	1P+N+E	Polyester	61 34 035
190 - 230 V	3P+E	Polyester	61 34 033
220 - 250 V	1P+N+E	Polyester	61 34 015
380 - 440 V	3P+E	Polyester	61 34 013
Dual voltage*	3P+N+E	Polyester	61 34 017

\* See front cover flap

Other voltages, polarities: see page 8

### Socket-outlet (U<sub>max</sub> 400 V) with auxiliary contacts

With 2 auxiliary contacts (30A) Socket # + 972

If you want to add an option to this kind of socket-outlet:  
call us at +33 (0) 1 45 11 60 00.

### Socket-outlet options

Device for self-ejecting coupler socket	Socket # + 354
Device for self-ejecting plug	Socket # + 352
Self-returning lid	Socket # + R
180°-opening lid	Socket # + 10
180°-opening and self-returning lid	Socket # + 18
Padlocking shaft for 1 padlock 3 mm Ø	Socket # + 840
Padlocking shaft up to 3 padlocks 3 mm Ø	Socket # + 844
Stop button	Socket # + 453

If you want to equip a socket-outlet with two or more options:  
call us at +33 (0) 1 45 11 60 00.

### Socket-outlet accessories

Closing mechanism (finger draw plate)	61 3A 346
---------------------------------------	-----------

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Polyester	61 38 08A
110 - 130 V	1P+N+E	Polyester	61 18 035
190 - 230 V	3P+E	Polyester	61 38 033
220 - 250 V	1P+N+E	Polyester	61 38 015
380 - 440 V	3P+E	Polyester	61 38 013
380 - 440 V	3P+N+E	Polyester	61 38 017

### Inlet (U<sub>max</sub> 400 V) with auxiliary contacts

With 2 auxiliary contacts (30A) Inlet # + 972

### Inlet accessories

IP67 cap	61 3A 126
Self-closing lid	31 1A 226
Closing mechanism (finger draw plate)	61 3A 346
Ejecting mechanism (shark fin)	61 3A 338
Tension cord	31 1A 336

**Also see:**

Full range of boxes page 86  
Dimensions page 28  
Technical Manual page 150

## Installation accessories

### B Box

	<b>Wall box poly 30°</b>	<b>Wall box poly 70°</b>	<b>Wall box metal 30°</b>	<b>Wall box metal + poly sleeve 30°</b>	<b>Wall box metal + metal sleeve 30°</b>	<b>Wall box metal + straight metal sleeve</b>
<b>Entry</b>						
M20	61 3A <b>053</b>	51 BA <b>058</b>	69 3A <b>053</b>	61 3A <b>653</b>	69 3A <b>653</b>	69 3A <b>095</b>
M25	61 3A <b>083</b>	51 BA <b>058</b>		61 3A 653 <b>418</b>	69 3A 653 <b>418</b>	69 3A 095 <b>418</b>
M32		51 BA <b>058</b>		61 3A 653 <b>419</b>	69 3A 653 <b>419</b>	69 3A 095 <b>419</b>
M40				61 3A 653 <b>420</b>	69 3A 653 <b>420</b>	69 3A 095 <b>420</b>

The boxes are supplied without any cable gland. The 70° boxes are not drilled (drilled at extra cost).

### Sl Sleeve

	<b>Inclined poly 30°</b>	<b>Inclined poly 70°</b>	<b>Straight metal</b>	<b>Inclined metal 30°</b>
	61 3A <b>027</b>	51 BA <b>757</b>	69 3A <b>127</b>	69 3A <b>027</b>

### H Handle

	<b>Straight poly</b>	<b>Straight poly with poly cable gland</b>	<b>for ejection option *</b>	<b>Straight metal with metal cable gland</b>	<b>Straight poly flowerpot with metric threaded entry *</b>
<b>Cable dia.</b>		<b>Cable dia.</b>		<b>Cable dia.</b>	<b>Entry</b>
5 - 21 mm	61 3A <b>013</b>	6 - 12 mm 61 3A <b>753</b>	61 3A <b>463</b>	6 - 12 mm 61 3A <b>963</b>	M20 61 3A 253 <b>417</b>
		13 - 18 mm 61 3A 253 <b>25P</b>	61 3A 443 <b>25P</b>	10 - 18 mm 61 3A 953 <b>25M</b>	M25 61 3A 253 <b>418</b>
		18 - 25 mm 61 3A 253 <b>32P</b>	61 3A 443 <b>32P</b>		M32 61 3A 253 <b>419</b>
		22 - 32 mm 61 3A 253 <b>40P</b>	61 3A 443 <b>40P</b>		M40 61 3A 253 <b>420</b>

Handle for flat or steel armoured cables on request.

\* Handle with eyelet for tension cord

\* Cable gland on request.

### A Industrial – Domestic adapters

Domestic socket-outlet 10/16A 230V + [Marechal](#) industrial inlet 1P+N+E, 10 A 230 V fuse protection

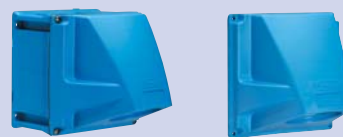
Type	Material	Part number
UK	Poly	61 38 015 <b>D40 *</b>
FR with safety shutter	Poly	61 38 015 <b>D16</b>

\* All these domestic socket-outlets are available to foreign standards : replace D40 by D11 for France, D30 for Germany, D06 for Italy, D08 for Switzerland, D67 for Australia, D80 for USA etc

### Supply boxes with self-ejecting coupler socket for emergency vehicles

See description on page 137

### ZOOM



### Wall boxes and 70° sleeves

These wall boxes are designed for:

- easy wiring, recommended for large conductor cross-sections (up to 5 x 35 mm<sup>2</sup>)
- entries and exits either at top, bottom or sides
- stock reduction, as the same wall box is common to several products

The sleeves are angled (70°) to reduce the socket-outlet protrusion and impact risk (fork lifts ...).

**See full range of boxes on page 86**



# DSN6 DECONTACTOR™ 63A



### Main features:

• (socket-outlet) IP	66/67	• U <sub>max</sub>	1000 V AC - 250 V DC
• (socket-outlet + inlet) IP	66/67	• Wiring (min - max) flexible	6 / 16 mm <sup>2</sup>
• IK	08	• Wiring (min - max) stranded	6 / 25 mm <sup>2</sup>
• Rated currents (IEC / EN 60309-1)	63 A / 400V	63 A / 690V	45 A / 1000V
• Rated currents and operating voltages (load breaking capacity according to IEC / EN 60947-3)	63 A / 400V (AC23)	63 A / 690V (AC22)	- (-)

## S Socket-outlet (female)



Version with auxiliary contacts

## I Inlet (male)



### Main options



Device for self-ejecting coupler socket\*



Device for self-ejecting plug\*

\* See Operating Instruction on page 168



Padlocking shaft  
(Padlock not supplied)



Stop button

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Polyester	61 64 08A
110 - 130 V	1P+N+E	Polyester	61 64 035
190 - 230 V	3P+E	Polyester	61 64 033
220 - 250 V	1P+N+E	Polyester	61 64 015
380 - 440 V	3P+E	Polyester	61 64 013
Dual voltage*	3P+N+E	Polyester	61 64 017

\* See front cover flap  
Other voltages, polarities: see page 8

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Polyester	61 68 08A
110 - 130 V	1P+N+E	Polyester	61 68 035
190 - 230 V	3P+E	Polyester	61 68 033
220 - 250 V	1P+N+E	Polyester	61 68 015
380 - 440 V	3P+E	Polyester	61 68 013
380 - 440 V	3P+N+E	Polyester	61 68 017

### Socket-outlet (U<sub>max</sub> 400V) with auxiliary contacts

With 2 auxiliary contacts (16 A)	Socket # + 972
With 4 auxiliary contacts (16 A)	Socket # + 264

If you want to add an option to this kind of socket-outlet: call us at +33 (0) 1 45 11 60 00.

### Inlet (U<sub>max</sub> 400V) with auxiliary contacts

With 2 auxiliary contacts (16 A)	Inlet # + 972
With 4 auxiliary contacts (16 A)	Inlet # + 264

### Socket-outlet options

Device for self-ejecting coupler socket	Socket # + 354
Device for self-ejecting plug	Socket # + 352
Self-returning lid	Socket # + R
180°-opening lid	Socket # + 10
180°-opening and self-returning lid	Socket # + 18
Padlocking shaft for 1 padlock 3 mm Ø	Socket # + 840
Padlocking shaft up to 3 padlocks 3 mm Ø	Socket # + 844
Stop button	Socket # + 453

If you want to equip a socket-outlet with two or more options: call us at +33 (0) 1 45 11 60 00.

### Inlet accessories

IP67 cap	61 6A 126
Self-closing lid	31 3A 226
Ejecting mechanism (shark fin)	61 6A 338
Tension cord	31 1A 336

### Accessories



IP67 Inlet cap



Self-closing lid for inlet



Ejecting mechanism (shark fin)










Tension cord

**Also see:**

Full range of boxes page 86  
Dimensions page 28  
Technical Manual page 150






## Installation accessories

### B Box

	 Wall box poly 30°	 Wall box poly 70°	 Wall box metal 30°	 Wall box metal + poly sleeve 30°	 Wall box metal + metal sleeve 30°	 Wall box metal + straight metal sleeve	 Wall box metal + metal sleeve 70°
<b>Entry</b>							
M20		51 CA <b>058</b>		61 6A 653 <b>417</b>	69 6A 653 <b>417</b>	69 6A 095 <b>417</b>	87 3A 053 <b>417</b>
M25	61 6A <b>053</b>	51 CA <b>058</b>	69 6A <b>053</b>	61 6A <b>653</b>	69 6A <b>653</b>	69 6A <b>095</b>	87 3A <b>053</b>
M32		51 CA <b>058</b>		61 6A 653 <b>419</b>	69 6A 653 <b>419</b>	69 6A 095 <b>419</b>	87 3A 053 <b>419</b>
M40		51 CA <b>058</b>		61 6A 653 <b>420</b>	69 6A 653 <b>420</b>	69 6A 095 <b>420</b>	87 3A 053 <b>420</b>

The boxes are supplied without any cable gland. The 70° boxes are not drilled (drilled at extra cost).

### Sl Sleeve

	 Inclined poly 30°	 Inclined poly 70°	 Straight metal	 Inclined metal 30°	 Inclined metal 70°
	61 6A <b>027</b>	51 CA <b>757</b>	69 6A <b>127</b>	69 6A <b>027</b>	87 3A <b>087</b>






**ZOOM**



**Handle with built-in finger draw plate**

This straight handle is recommended for in-line connections.

### H Handle

	 Straight poly	 Straight poly with poly cable gland	 for ejection option *	 Straight metal with metal cable gland	 Straight poly flowerpot with metric threaded entry *
<b>Cable dia.</b>		<b>Cable dia.</b>		<b>Cable dia.</b>	<b>Entry</b>
10 - 30mm	61 6A <b>013</b>	<b>6 - 12mm</b> 61 6A 253 <b>20P</b>	61 6A 443 <b>20P</b>	<b>6 - 12mm</b> 61 6A 953 <b>20M</b>	M20 61 6A 253 <b>417</b>
10 - 30mm	61 6A <b>473</b> *	<b>13 - 18mm</b> 61 6A <b>753</b>	61 6A <b>463</b>	10 - 18mm 61 6A <b>963</b>	M25 61 6A 253 <b>418</b>
		<b>18 - 25mm</b> 61 6A 253 <b>32P</b>	61 6A 443 <b>32P</b>	16 - 24mm 61 6A 953 <b>32M</b>	M32 61 6A 253 <b>419</b>
		<b>22 - 32mm</b> 61 6A 253 <b>40P</b>	61 6A 443 <b>40P</b>	<b>22 - 32mm</b> 61 6A 953 <b>40M</b>	M40 61 6A 253 <b>420</b>

\* With built-in finger draw plate (for in-line connections)

Handle for flat or steel armoured cables on request.

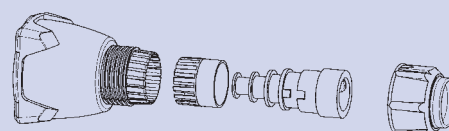
\* Handle with eyelet for tension cord

\* Cable gland on request.

**ZOOM**

### Perfect cable fit and broad tightening range

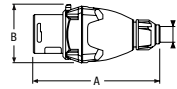
A special anchoring system provides a perfect cable fit and a broad tightening range (multi-layer bush to choose best cable fit).



# DSN range dimensions

## Socket-outlet + plug

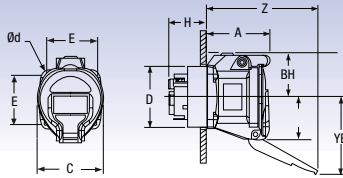
### Plug



	A	B	Ø
DSN1	125	58	8-18
DSN3/DSN24C	145	68	5-21
DSN6/DSN37C	152	83	10-30

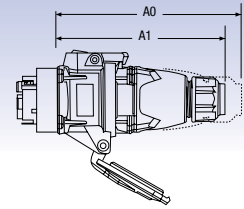
### Socket-outlet

YB: 180° OPENING LID



	A	BB	BH	C	D	E	H	YB	YBb	Z	Ød
DSN1	53	40	38	57	50.5	42	25	70		98	4.5
DSN3/DSN24C	66	53	50	73	58	48	15	98		113.6	4.5
DSN6/DSN37C	79	59	56	82	68	55	18	118	148	121	5

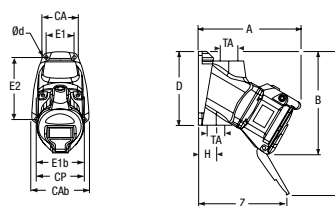
### Plug connected (A1)/ disconnected (A0) in a socket-outlet



	A1	A0
DSN1	156	169
DSN3/DSN24C	169	186
DSN6/DSN37C	175	204

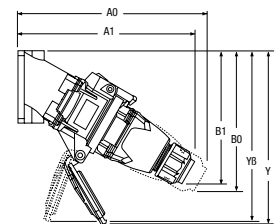
### 30° wall mounting socket

YB: 180° OPENING LID



	A	B	CA	CAB	CP	D	E1	E1b	E2	H	Y	YB	Z	Ød
DSN1	127	131	45	68	57	90	36	56	78	38	180	111	111	4.5
DSN3/DSN24C	138	132	84	84	73	107	70	70	70	18	200	105	6	
DSN6/DSN37C	165	162	89	89	82	122	77	77	88	24	236	213	114	6.5

### Plug connected (A1)/ disconnected (A0) in a 30° wall mounting socket

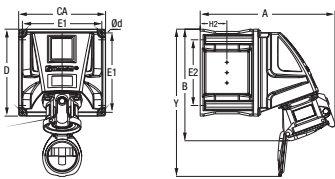


YB: 180° OPENING LID

	A1	A0	B1	B0	Y	YB
DSN1	204	215	162	168	180	
DSN3/DSN24C	214	229	162	171	200	
DSN6/DSN37C	233	259	184	199	236	213

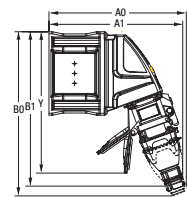
### 70° wall mounting socket

YB: 180° OPENING LID



	A	B	CA	D	E1	E2	H2	Y	Ød
DSN1	197	163	127	127	116	96	39	215	6.5
DSN3/DSN24C	211	182	127	127	116	96	39	242	6.5
DSN6/DSN37C	236	225	170	170	159	139	39	295	6.5

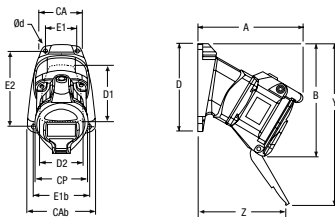
### Plug connected (A1)/ disconnected (A0) in a 70° wall mounting socket



	A1	A0	B1	B0	Y
DSN1	204	209	235	250	215
DSN3/DSN24C	217	223	263	280	242
DSN6/DSN37C	245	253	331	338	295

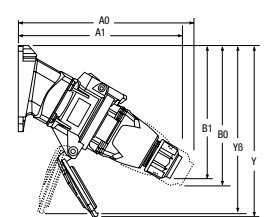
### 30° inclined socket

YB: 180° OPENING LID



	A	B	CA	CAB	CP	D	D1	D2	E1	E1b	E2	Y	YB	Z	Ød
DSN1	108	120	45	68	57	90	75	50	36	56	78	169	92	92	4.5
DSN3/DSN24C	119	141	76	76	73	107	65	95	63	63	95	209	86	86	5.5
DSN6/DSN37C	136	156	76	76	82	107	65	95	63	63	95	230	207	85	5.5

### Plug connected (A1)/ disconnected (A0) in a 30° inclined socket

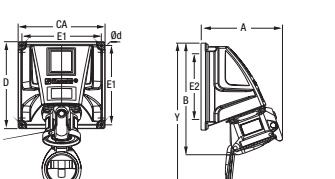


YB: 180° OPENING LID

	A1	A0	B1	B0	Y	YB
DSN1	185	196	151	157	169	
DSN3/DSN24C	195	210	171	180	209	
DSN6/DSN37C	204	230	178	193	230	207

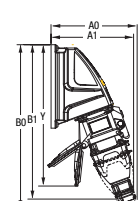
### 70° inclined socket

YB: 180° OPENING LID



	A	B	CA	D	E1	E2	Y	Ød
DSN1	119	163	127	127	116	96	215	4.5
DSN3/DSN24C	133	182	127	127	116	96	242	4.5
DSN6/DSN37C	158	225	170	170	159	139	295	4.5

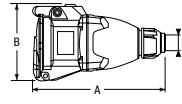
### Plug connected (A1)/ disconnected (A0) in a 70° inclined socket



	A1	A0	B1	B0	Y	YB
DSN1	126	131	235	250	215	
DSN3/DSN24C	139	145	263	280	242	
DSN6/DSN37C	167	175	331	338	295	

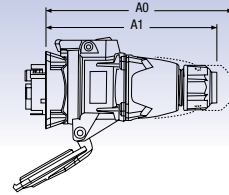
## Coupler socket + inlet

### Coupler socket



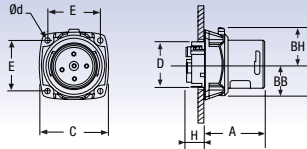
	A	B	Ø
DSN1	131	78	8-18
DSN3/DSN24C	162	103	5-21
DSN6/DSN37C	175	115	10-30

### Coupler socket connected (A1)/ disconnected (A0) in an inlet



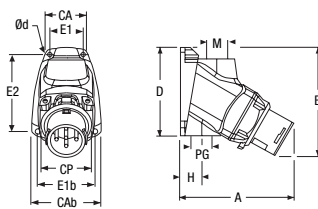
	A1	A0
DSN1	156	169
DSN3/DSN24C	169	186
DSN6/DSN37C	175	204

### Inlet



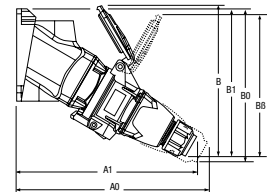
	A	BB	BH	C	D	E	H	Ød
DSN1	50	24	27	57	37	42	14	4.5
DSN3/DSN24C	50	32	36	67	58	48	13	4.5
DSN6/DSN37C	54	39	44	78	68	55	15	5

### 30° wall mounting appliance inlet



	A	B	CA	CAb	CP	D	E1	E1b	E2	H	Ød
DSN1	115	113	45	68	57	90	36	56	78	38	4.5
DSN3/DSN24C	112	105	84	84	67	107	70	70	70	18	6
DSN6/DSN37C	132	128	89	89	78	122	77	77	88	24	6.5

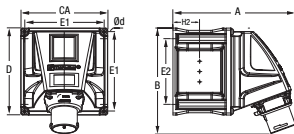
### Coupler socket connected (A1)/ disconnected (A0) in a 30° wall mounting appliance inlet



BB: 180° OPENING LID

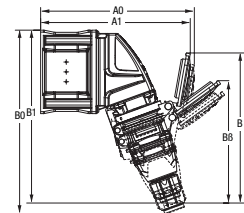
	A1	A0	B	B1	B0	BB
DSN1	204	215	162	162	162	168
DSN3/DSN24C	214	229	209	162	171	
DSN6/DSN37C	233	259	235	184	199	213

### 70° wall mounting appliance inlet



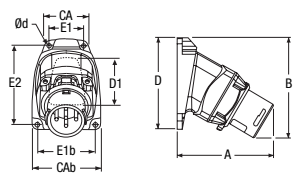
	A	B	CA	D	E1	E2	H2	Ød
DSN1	179	154	127	127	116	96	39	6.5
DSN3/DSN24C	184	160	127	127	116	96	39	6.5
DSN6/DSN37C	209	203	170	170	159	139	39	6.5

### Coupler socket connected (A1)/ disconnected (A0) in a 70° wall mounting appliance inlet



	A1	A0	B	B1	B0	BB
DSN1	195	201	188	235	250	141
DSN3/DSN24C	228	234	228	263	280	164
DSN6/DSN37C	262	269	259	322	341	188

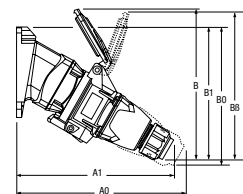
### 30° inclined appliance inlet



D1: drilling Ø

	A	B	CA	CAb	D	D1	E1	E1b	E2	Ød
DSN1	96	102	45	68	90	75	36	56	78	4.5
DSN3/DSN24C	93	114	76	76	107	65	63	63	95	5.5
DSN6/DSN37C	103	122	76	76	107	65	63	63	95	5.5

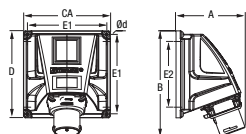
### Coupler socket connected (A1)/ disconnected (A0) in a 30° inclined appliance inlet



BB: 180° OPENING LID

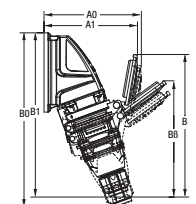
	A1	A0	B	B1	B0	BB
DSN1	185	196	162	151	157	
DSN3/DSN24C	195	210	209	171	180	
DSN6/DSN37C	204	230	235	178	193	213

### 70° inclined appliance inlet



	A	B	CA	D	E1	E2	Ød
DSN1	101	154	127	127	116	96	4.5
DSN3/DSN24C	106	160	127	127	116	96	4.5
DSN6/DSN37C	131	203	170	170	159	139	4.5

### Coupler socket connected (A1)/ disconnected (A0) in a 70° inclined appliance inlet



	A1	A0	B	B1	B0	BB
DSN1	117	123	188	235	250	141
DSN3/DSN24C	150	156	228	263	280	164
DSN6/DSN37C	184	191	259	322	341	188