

Products for *Section 3*



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specific industrial applications

Connection of motors or other highly inductive charges and in particular, all mobile equipments:

- mobile motors and emergency installations,
- flexible production lines, pumps,
- testing benches for motors, fans,
- mobile conveyors, mixers,
- containers, etc.



DECONTACTORS for motor connections

The range

Advantages	p. 106
Features	p. 107
DN9c - DN20c - DN7c6	p. 108
DS7c3 - DS7c9	p. 110



Flexibility and safety

MARECHAL ELECTRIC's decontactors are an attractive solution in the organisation of a production site. Machines which are equipped with a DECONTACTOR™ can be disconnected and moved in a fraction of time, without any constraint and in complete safety.

Using decontactors to connect motors and other equipment instead of hard-wiring allows to replace more quickly a defective equipment, reducing costs due to: production stoppage, need to contact an external or internal skilled person.

Selection guide

Rated current	Auxiliaries current	Contacts	6P + E	6P + E + 2 aux.	6P + E + 3 aux.
25 A	5 A		DN9c	DN9c	DN20c
50 A	5 A		DS7c3	DS7c3	DS7c3
90 A	5 A		DN7c6		
150 A	5 A		DS7c9	DS7c9	

Plugs and socket-outlets with
integral switching device

**DN9c
& 20c**

DS7c3

DN7c6

DS7c9

Electrical features

DECONTACTORTM for applications requiring 6 contacts + earth such as: 2 speed motor supply, "star-delta" start up ... (See selection guide above)

Rated current	25 A	50 A	90 A	150 A
Maximum voltage	415 VAC	500 VAC	415 VAC	500 VAC
Contacts	silver-nickel butt contacts with metallic braid			
Active parts protected (with socket-outlet lid open)	IP2X	IP4X	IP2X	IP4X
Keying positions (1)	from 2 (DN9c) to 4 (DN20c)	5	1	1

Mechanical features

Automatic watertightness (2)	IP54/55	IP54/55	IP54/55	IP54/55
Wiring (terminals) ...	to be screwed	to be screwed	to be screwed	to be screwed
Casing in metal (3)	✓	✓	✓	✓
Casing in polyester (4)		✓		
Ambient temperature	-25 °C to +40 °C (for temperatures outside this range, please consult us)			

(1) allowing discrimination between different power supplies (voltage, frequency, AC current, DC current)

(2) achieved as soon as the plug is fully inserted into the socket-outlet or when the lid of the socket-outlet is closed, without any other operation.

(3) anti-corrosion treated metal providing an outstanding resistance to high temperature and offering an excellent mechanical resistance to shocks (IK09 impact resistance)

(4) glass fibre reinforced polyester providing excellent electric insulation, high resistance to corrosive, UV and chemical agent environments and high mechanical resistance (IK08 impact resistance)

Regulatory features

DS and DN 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 3rd October 1995),
- The French decree **N° 88-1056** dated 14th November 1988 relating to workers' protection,
- The decrees relating to workers' protection in Belgium, Spain and Italy.
- The load breaking capacity according to utilisation category **AC22** of **IEC / EN 60947-3** (switch standard).

DN9C/20C/7C6

DECONTACTOR™

from 25 to 90 A
6P+E



Main features:

• (socket-outlet) IP	55	• Wiring (mini / maxi) flexible DN9C & 20C	1 / 6 mm ²
• (socket-outlet + inlet) IP	54	DN7C6	10 / 25 mm ²
• IK (metal)	09	• Wiring (mini / maxi) stranded DN9C & 20C	1.5 / 6 mm ²
• Umax AC	415 V AC	DN7C6	10 / 35 mm ²

- Rated currents (IEC / EN 60309-1)
- Rated currents and operating voltages (load breaking capacity according to IEC / EN 60947-3)

DN9C & 20C

25 A / 415 V
25 A / 415 V
(AC22)

DN7C6

90 A / 415 V
90 A / 415 V
(AC22)

S Socket-outlet (female)



DN9C: 25 A

Polarity	U/I *	Material	Part number
6P+E	415/25	Metal	19 14 061
6P+E+2 aux.	415/25	Metal	19 14 081 312 •

DN20C: 25 A

Polarity	U/I *	Material	Part number
6P+E+3 aux.	415/25	Metal	19 64 091 263 •

DN7C6: 90 A

Polarity	U/I *	Material	Part number
6P+E	415/90	Metal	19 64 061 ISV •

* Maximum voltage (V) / Rated current (A)

• 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 # +	365
Device for self-ejecting plug	Socket # +	R
IP67 watertightness	Socket # +	677
Self-returning lid	Socket # +	R
180°-opening lid	Socket # +	10
180°-opening and self-returning lid	Socket # +	18
Padlocking shaft up to 3 padlocks 8 mm Ø	Socket # +	844
Stop button	Socket # +	453
Rubber cover for metal latch	Socket # +	834

Socket-outlet accessories

Closing mechanism (draw lever)(DN20C or DN7C6)	19 6A 876
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I Inlet (male)



Part number with a red dot? Contact us!

Polarity	U/I *	Material	Part number
6P+E	415/25	Metal	19 18 061
6P+E+2 aux.	415/25	Metal	19 18 081 312 •

Polarity	U/I *	Material	Part number
6P+E+3 aux.	415/25	Metal	19 68 091 263 •

Polarity	U/I *	Material	Part number
6P+E	415/90	Metal	19 68 061 ISV •

* Maximum voltage (V) / Rated current (A)

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

Inlet options

Device for self-ejecting coupler socket	Inlet # +	204
Device for self-ejecting plug	Inlet # +	204
IP67 watertightness	Inlet # +	677

Inlet accessories

IP54 cap (DN9C)	19 1A 126
IP54 cap (DN20C or DN7C6)	19 6A 126
Closing mechanism (DN20C or DN7C6)	19 6A 886
Ejecting mechanism (DN9C)	19 1A 338
Ejecting mechanism (DN20C or DN7C6)	19 6A 397
Tension cord	31 1A 336

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

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



Rubber cover for metal latch

Accessories



IP54 inlet cap



Ejecting mechanism: shark fin (DN9C)
or plug release cam(DN20C or DN7C6)



Closing mechanism
(DN20C ou DN7C6)



Tension cord

Also see:

Full range of boxes page 84
 Dimensions page 60
 Technical Manual page 150

Installation accessories



Box



Wall box metal 30°



Wall box metal + metal sleeve 70°



Wall box metal + metal sleeve 30°



Wall box metal + straight metal sleeve



Wall box metal + metal sleeve 20°

for **DN9c**: Entry

M20	19 1A 053	87 3A 053 417	19 1A 653	19 1A 095
M25		87 3A 053	19 1A 653 418	19 1A 095 418
M32		87 3A 053 419	19 1A 653 419	19 1A 095 419
M40		87 3A 053 420	19 1A 653 420	19 1A 095 420

for **DN20c** or **DN7c6**: Entry

M32	87 9A 053 419	19 6A 653 419	19 6A 095 419	
M40	87 9A 053 420	19 6A 653	19 6A 095 420	19 6A 053
M50	87 9A 053	19 6A 653 429	19 6A 095	
M63	87 9A 053 463	19 6A 653 463	19 6A 095 463	

The boxes are supplied without any cable gland.



Sleeve



Inclined metal 30°



Inclined metal 70°



Straight metal

for **DN9c**

19 1A 027	87 3A 087	19 1A 127
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for **DN20c** or **DN7c6**

19 6A 027	87 9A 087	19 6A 127
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ZOOM



Handle with built-in finger draw plate

This straight handle is recommended for in-line connections.



Handle for **DN9c**



Straight poly



Straight poly with poly cable gland



for ejection option *



Straight metal with metal cable gland



Straight poly flowerpot with metric threaded entry**

Tightening

10-30mm	19 1A 013
10-30mm	19 1A 473 *

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

Entry

M20	19 1A 753	8-13mm	19 1A 463	19 1A 963	
M25	19 1A 253 25P	13-19mm	19 1A 443 25P	19 1A 953 25M	
M32	19 1A 253 32P	17-25mm	19 1A 443 32P	19 1A 953 32M	
M40	19 1A 253 40P	24-32mm	19 1A 443 40P	19 1A 953 40M	

* Handle with eyelet for tension cord ** Cable gland on request
 Handles for flat or steel armoured cables on request (see 'zoom' on page 55).

Tightening

6-13mm	M20	19 1A 253 417			
10-18mm	M25	19 1A 253 418			
16-24mm	M32	19 1A 253 419			
22-32mm	M40	19 1A 253 420			

Handle for **DN20c** ou **DN7c6**



Straight rubber



Straight neoprene



Straight poly with poly cable gland



Straight metal with metal cable gland



Straight poly flowerpot with metric threaded entry *

Tightening

13-27mm	19 6A 013	19 6A 013 03
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Entry

M32	19 6A 253 32P	17-25mm	19 6A 953 32M	16-24mm	M32 19 6A 253 419
M40	19 6A 753	24-32mm	19 6A 963	22-32mm	M40 19 6A 253 420
M50	19 6A 253 50P	28-38mm	19 6A 953 50M	29-40mm	M50 19 6A 253 429

* Cable gland on request. Handle for flat or steel armoured cables on request (see 'zoom' on page 55).

DS7C3/7C9 from 50 to 150 A 6P+E

DECONTACTOR™



Main features:

• (socket-outlet) IP	55	• Wiring (mini / maxi) flexible DS7C3	2.5 / 10 mm ²
• (socket-outlet + inlet) IP	54	DS7C9	16 / 50 mm ²
• IK (poly / metal)	08 / 09	• Wiring (mini / maxi) stranded DS7C3	2.5 / 16 mm ²
• Umax AC	500 V AC	DS7C9	25 / 70 mm ²

- Rated currents (IEC / EN 60309-1)
- Rated currents and operating voltages (load breaking capacity according to IEC / EN 60947-3)

DS7C3

50 A / 500 V
50 A / 500 V
(AC22)

DS7C9

150 A / 500 V
125 A / 500 V
(AC22)

S Socket-outlet (female)



DS7C3: 50 A

Polarity	U/I *	Material	Part number
6P+E	500/50	Poly	31 34 561
		Metal	39 34 561
6P+E+2 aux.	500/50	Poly	31 34 561 172 •
		Metal	39 34 561 172 •
6P+E+3 aux.	500/50	Poly	31 34 561 263 •
		Metal	39 34 561 263 •

I Inlet (male)



Part number with a red dot? Contact us!

Polarity	U/I *	Material	Part number
6P+E	500/50	Poly	31 38 561
		Metal	39 38 561
6P+E+2 aux.	500/50	Poly	31 38 561 172 •
		Metal	39 38 561 172 •
6P+E+3 aux.	500/50	Poly	31 38 561 263 •
		Metal	39 38 561 263 •

DS7C9: 150 A

Polarity	U/I *	Material	Part number
6P+E	500/150	Metal	39 94 061
6P+E+2 aux.	500/150	Metal	39 94 061 172 •

* Maximum voltage (V) / Rated current (A)

• 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 (DS7C3)	Socket # +	354
Device for self-ejecting coupler socket (DS7C9)	Socket # +	365
Device for self-ejecting plug (DS7C3)	Socket # +	352
Device for self-ejecting plug (DS7C9)	Socket # +	353
IP67 watertightness (DS7C3)	Socket # +	677
IP66 / 67 watertightness (DS7C9)	Socket # +	687
Self-returning lid	Socket # +	R
180°-opening lid	Socket # +	10
180°-opening and self-returning lid	Socket # +	18
Padlocking shaft up to 3 padlocks 8 mm Ø	Socket # +	844
Stop button	Socket # +	453
Rubber cover for poly latch (DS7C3)	Socket # +	833
Rubber cover for metal latch	Socket # +	835

Socket-outlet accessories

Closing mechanism (draw lever)(DS7C9)	39 2A 876
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Polarity	U/I *	Material	Part number
6P+E	500/150	Metal	39 98 061
6P+E+2 aux.	500/150	Metal	39 98 061 172 •

* Maximum voltage (V) / Rated current (A)

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

Inlet options

Device for self-ejecting coupler socket (DS7C9)	Inlet # +	204
Device for self-ejecting plug (DS7C9)	Inlet # +	204
IP67 watertightness (DS7C3)	Inlet # +	677
IP66 / 67 watertightness (DS7C9)	Inlet # +	687

Inlet accessories

IP67 cap (DS7C3)	31 6A 126
IP67 cap (DS7C9)	31 2A 126
Closing mechanism (DS7C9)	39 2A 886
Self-closing lid (DS7C3)	31 6A 226
Ejecting mechanism (DS7C3)	31 6A 338
Ejecting mechanism (DS7C9)	39 2A 397
Tension cord	31 1A 336

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

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



Ejecting mechanism: shark fin (DS7C3)
or plug release cam(DS7C9)



Closing mechanism (DS7C9)



Tension cord

Also see:

Full range of boxes page 84
Dimensions page 44
Technical Manual page 150

Installation accessories

B

Box for DS7c3



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 + metal sleeve 70°



Wall box metal + straight metal sleeve

Entry

M25		51 DA 058		39 6A 653 418	31 6A 653 418	87 6A 053 418	39 6A 095 418
M32		51 DA 058		39 6A 653 419	31 6A 653 419	87 6A 053 419	39 6A 095 419
M40	31 6A 053	51 DA 058	39 6A 053	39 6A 653	31 6A 653	87 6A 053	39 6A 095
M50				39 6A 653 429	31 6A 653 429	87 6A 053 429	39 6A 095 429

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



Box for DS7c9

Wall box metal + metal sleeve 60°

Entry

M63	39 2A 053
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The boxes are supplied without any cable gland.

ZOOM



Handle with built-in finger draw plate

This straight handle is recommended for in-line connections.

Sl

Sleeve for DS7c3



Inclined poly 30°



Inclined poly 70°



Inclined metal 30°



Inclined metal 70°



Straight metal

Sleeve for DS7c9



Inclined metal 60°

31 6A 027	51 DA 757	39 6A 027	87 6A 087	39 6A 127		39 2A 027
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H

Handle for DS7c3



Straight poly



Straight poly with poly cable gland



for ejection option *



Straight metal with metal cable gland



Straight poly flowerpot with metric thread **

Tightening

13-35mm	31 6A 013
13-35mm	31 6A 473 *

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

Entry

Tightening

M25	31 6A 253 25P	13-19mm	31 6A 443 25P
M32	31 6A 253 32P	17-25mm	31 6A 443 32P
M40	31 6A 753	24-32mm	31 6A 463
M50	31 6A 253 50P	28-38mm	31 6A 443 50P

Tightening

10-18mm	M25	31 6A 253 418
16-24mm	M32	31 6A 253 419
22-32mm	M40	31 6A 253 420
29-40mm	M50	31 6A 253 429

* Handle with eyelet for tension cord ** Cable gland on request Handles for flat or steel armoured cables on request



Handle for DS7c9

Straight neoprene



Straight metal



Straight poly with poly cable gland



Straight poly flowerpot with metric thread *

Tightening

34-58mm	39 2A 013
40-54mm	39 2A 913

Entry

M63	39 2A 753	34-44mm	M63	39 2A 253 463
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* Cable gland not included Handles for flat or steel armoured cables on request

DB

DECONTACTOR™
for motors

The range

Advantages	p. 112
Features	p. 113
Description	p. 114
DB3 : 40 A - 7.5 kW	p. 116
DB6 : 75 A - 15 kW	p. 118
DB9 : 125 A - 30 kW	p. 120
Dimensions	p. 122

Spare parts: see page 176



Pump control



Chemical industry



Army, defence

Disconnectable motor switches

The DB DECONTACTOR™ for motors is specially designed to supply motors or any other highly inductive loads. It combines the functions of visible breaking motor switch and plug and socket-outlet. Its unique performance has a direct impact

on safety, costs and machine downtime. Compliant with the machine Directive in terms of power supply isolator device, it will allow you to replace quickly your equipment.

And mobile motors, emergency installations, flexible production line, testing benches for motors, fans, mobile conveyors, mixers, containers, ...

Electrical features

- From **40** to **125** Amps – Power from **3** to **45** kW - Voltage up to 690 Volts AC and 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 metallic braid for added reliability and lifetime
- Having an AC22, AC23 and AC3 load breaking capacity, they are true disconnect motor switches (*from 3 to 45 kW*) with an independent arc chamber for each contact
- Active parts protected (*IP2X finger protection with open lid*)
- 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
- Version with 2 auxiliary contacts and 4 poles (DB3: 40 A – 7.5 kW / 690 V; DB6: 75 A – 22 kW / 690 V)
- Version with 4 auxiliary contacts and 4 poles (DB9: 125 A – 45 kW / 690 V)

Mechanical features

- **IP67** watertightness achieved when ring is turned (*dust-proof and protected against temporary immersion in water*)
- Casings made of anti-corrosion treated **metal** providing high temperature resistance and excellent mechanical resistance (**IK09** impact resistance)
- Ambient temperature: -25 °C to +40 °C (*for temperatures outside this range, please contact us*)
- Spring-assisted terminals unaffected by vibrations and thermal cycling
- Padlocking in all positions (ON/OFF)

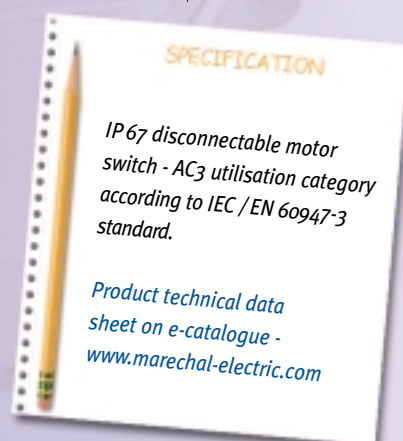


Regulatory features

DB 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 3rd October 1995*),
- The machine Directive in terms of power supply isolator device,
- The French decree **N° 88-1056** dated 14th November 1988 relating to workers' protection,
- The decrees relating to workers' protection in Belgium, Spain and Italy,
- The **UL 98/508** American standards,
- The load breaking capacity according to utilisation categories **AC3** and **AC23** of **IEC / EN 60947-3** (*switch standard*).

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





Operation of a DECONTACTOR™ for motors

The plug is positioned in the socket-outlet by pushing then twisting clockwise in much the same way as inserting an electric light bulb. The plug is then in the rest position, circuit open. This is indicated by a “green” window located on the front of the socket-outlet. At this stage, the plug can be locked onto the socket-outlet by means of a conventional lock-out (1).

To close the circuit, push the plug fully home, until it is held by the locking ring. The window located on the front of the socket-outlet becomes “red”. IP67 is achieved by turning the ring clockwise (2).

To release the plug, simply turn the ring fully anticlockwise. The circuit is opened and the plug returns to its parked position (3).

To remove the plug from the socket-outlet, turn the plug from right to left. The lid can then be closed. Turn the ring from left to right to achieve IP67 socket-outlet watertightness (4).

Visible isolation:



DB DECONTACTOR™ on 'OFF' position (GREEN)

Visible connection:



DB DECONTACTOR™ on 'ON' position (RED)



Avoiding redundant installations

Quick motor replacement allows to avoid many redundant installations whose role was to provide production continuity in the event of a failure. Using a DECONTACTOR™ for motors allows to avoid the proximity insulation switch (machine Directive).

User safety



A padlocking device (*optional*) can be used to prevent any unwanted disconnection and prevent access to the socket-outlet when the plug has been disconnected.

In the event of an emergency situation, anyone (*even non-electricians*) can quickly and safely stop the power supply to the motor.



Marechal's modular system

DB decontactors meet the modularity system described on the Bookmark. 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**.

DB part number system

- **Standard** DB part numbers are made up of 7 characters. All part numbers start with a '8'.
- The choice of an **option** or a **version with auxiliary contacts** results in adding a suffix (from 1 to 3 characters).

1 st character	2 nd character	3 rd character	4 th character	Characters from 5 to 7		
Range	Casing	Rated current	Usage	Supply voltage**	Frequency	Polarity
8 = DB	7 = Blue metal	3 = DB3 (40 A)	4 = Socket-outlet	08A = 20 - 24 V	50 Hz	2P
		6 = DB6 (75 A)	8 = Inlet	033 = 190 - 230 V	50 Hz	3P+E
		9 = DB9 (125 A)		015 = 220 - 250 V	50 Hz	1P+N+E
				013 = 380 - 440 V	50 Hz	3P+E
				017 = 380 - 440 V	50 Hz	3P+N+E
			A = Installation accessory	013 = Handle		
				027 = Inclined sleeve		
				053 = Wall box		

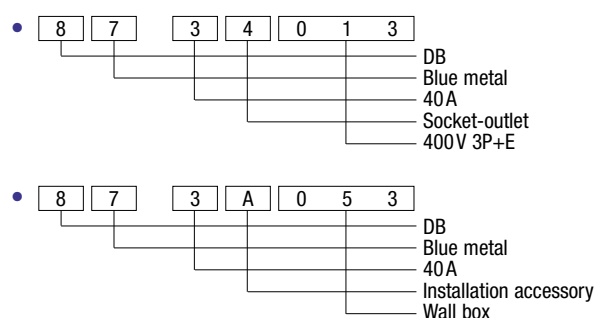
** 24 different power supplies (voltage, frequency) and 12 polarities are available: see international standard and colour-code on page 8

Check that the DB part number meets the need ...

Example : the need is for a 40 A, 400 V, 3P+E wall mounting socket.

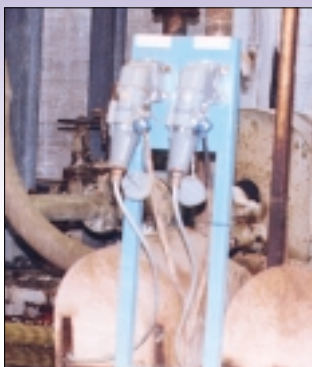
- The DB with a 40 A rated current is **DB3** (see pages 116 and 117).
- Order a **40 A socket-outlet (S)** and a **wall box (B)**.
- In the standard socket-outlet part number table, select the part number for a 400 V, 3P+E socket-outlet: **87 34 013**
- In the standard wall box part number table, choose the accessory that suits you e.g. a 70° blue metal wall box with a M25 threaded entry: **87 3A 053**

You can check the two part numbers found:



DB3

DECONTACTOR™ for motors 40 A / 7.5 kW



Main features:

• (socket-outlet) IP	67	• Wiring (mini / maxi) flexible	2.5 / 6 mm ²
• (socket-outlet + inlet) IP	67	• Wiring (mini / maxi) stranded	2.5 / 10 mm ²
• IK	09	• Pre-wired auxiliary contacts (5A)	1.5 mm ²
• U _{max} AC	690V		

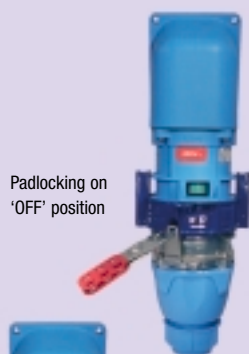
• Rated currents (IEC / EN 60309-1)	40 A / 690 V			
• Rated powers (AC3 load breaking capacity according to IEC / EN 60947-3):				
up to 230V 1P	230V 3P	400V	500V	690V
3 kW / 5HP	5.5 kW / 7.5HP	7.5 kW / 10 HP	7.5 kW / 10 HP	7.5 kW / 10 HP

Accessories



Padlocking device from 1 to 6 padlocks

Padlocking



Padlocking on
'OFF' position



Padlocking on
'ON' position

Padlocking of the
socket-outlet with
closed lid



Socket-outlet (female)



Inlet (male)



Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 34 08A
190 - 230 V	3P+E	Metal	87 34 033
220 - 250 V	1P+N+E	Metal	87 34 015
380 - 440 V	3P+E	Metal	87 34 013
Dual voltage*	3P+N+E	Metal	87 34 017

* See Bookmark

Other voltages, polarities: see page 8

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 38 08A
190 - 230 V	3P+E	Metal	87 38 033
220 - 250 V	1P+N+E	Metal	87 38 015
380 - 440 V	3P+E	Metal	87 38 013
380 - 440 V	3P+N+E	Metal	87 38 017

Socket-outlet with 2 auxiliary contacts (5A)

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 34 08A 172
190 - 230 V	3P+E	Metal	87 34 033 172
220 - 250 V	2P+E	Metal	87 34 032 172
380 - 440 V	3P+E	Metal	87 34 013 172

Inlet with 2 auxiliary contacts (5A)

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 38 08A 172
190 - 230 V	3P+E	Metal	87 38 033 172
220 - 250 V	2P+E	Metal	87 38 032 172
380 - 440 V	3P+E	Metal	87 38 013 172

Socket-outlet accessories

Padlocking device from 1 to 6 padlocks	87 3A 541
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Inlet accessories

IP67 cap	87 3A 126
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Also see:

Dimensions page 123
Technical Manual page 150

Installation accessories

B Box

			
	Wall box metal + metal sleeve 70°	Wall box metal + metal sleeve 30°	Wall box metal + straight metal sleeve
Entry			
M20	87 3A 053 417	87 3A 653 417	87 3A 095 417
M25	87 3A 053	87 3A 653	87 3A 095
M32	87 3A 053 419	87 3A 653 419	87 3A 095 419
M40	87 3A 053 420	87 3A 653 420	87 3A 095 420

The boxes are supplied without any cable gland.

Si Sleeve

			
	Inclined metal 70°	Inclined metal 30°	Straight metal
	87 3A 087	39 3A 027	87 3A 127

H Handle

					
	Straight poly	with finger draw plate	Straight poly with poly cable gland	Straight metal with metal cable gland	Straight poly flowerpot with metric threaded entry *
Tightening			Entry	Tightening	Tightening
10 - 30 mm	87 3A 013	87 3A 473 *	M20 87 3A 253 20P	8 - 13 mm 87 3A 953 20M	6 - 13 mm M20 87 3A 253 417
			M25 87 3A 753	13 - 19 mm 87 3A 963	M25 87 3A 253 418
			M32 87 3A 253 32P	17 - 25 mm 87 3A 953 32M	M32 87 3A 253 419
			M40 87 3A 253 40P	24 - 32 mm 87 3A 953 40M	M40 87 3A 253 420

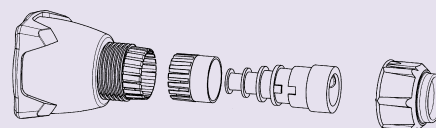
* For in-line connections

* Cable gland on request. Handles for flat or steel armoured cables on request (see 'zoom' on page 119).



Perfect cable fit and broad tightening range

A special anchoring system provides a perfect cable fit and a broad tightening range (multilayer lining to choose the best cable fitting range).



DB6

DECONTACTOR™ for motors 75 A - 15 kW



Main features:

• (socket-outlet) IP	67	• Wiring (mini / maxi) flexible	10 / 25 mm ²
• (socket-outlet + inlet) IP	67	• Wiring (mini / maxi) stranded	10 / 35 mm ²
• IK	09	• Pre-wired auxiliary contacts (5 A)	1.5 mm ²
• U _{max} AC	690 V		

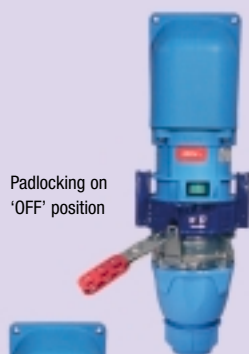
• Rated currents (IEC / EN 60309-1)	75 A / 690 V			
• Rated powers (AC3 load breaking capacity according to IEC / EN 60947-3):				
up to 230 V 1P	230 V 3P	400 V	500 V	690 V
7.5 kW / 10 HP	11 kW / 15 HP	15 kW / 20 HP	15 kW / 20 HP	22 kW / 30 HP

Accessories



Padlocking device from 1 to 6 padlocks

Padlocking



Padlocking on
'OFF' position



Padlocking on
'ON' position

Padlocking of the
socket-outlet with
closed lid



Socket-outlet (female)



Inlet (male)



Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 64 08A
190 - 230 V	3P+E	Metal	87 64 033
220 - 250 V	1P+N+E	Metal	87 64 015
380 - 440 V	3P+E	Metal	87 64 013
Dual voltage*	3P+N+E	Metal	87 64 017

* See Bookmark

Other voltages, polarities: see page 8

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 68 08A
190 - 230 V	3P+E	Metal	87 68 033
220 - 250 V	1P+N+E	Metal	87 68 015
380 - 440 V	3P+E	Metal	87 68 013
380 - 440 V	3P+N+E	Metal	87 68 017

Socket-outlet with 2 auxiliary contacts (5A)

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 64 08A 172
190 - 230 V	3P+E	Metal	87 64 033 172
220 - 250 V	2P+E	Metal	87 64 032 172
380 - 440 V	3P+E	Metal	87 64 013 172

Inlet with 2 auxiliary contacts (5A)

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 68 08A 172
190 - 230 V	3P+E	Metal	87 68 033 172
220 - 250 V	2P+E	Metal	87 68 032 172
380 - 440 V	3P+E	Metal	87 68 013 172

Socket-outlet accessories

Padlocking device from 1 to 6 padlocks	87 3A 541
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Inlet accessories

IP67 cap	87 6A 126
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Also see:

Dimensions page 123

Technical Manual page 150

Installation accessories

B Box


Wall box metal +
metal sleeve 70°

Wall box metal +
metal sleeve 30°

Wall box metal +
straight metal sleeve

Entry

M25	87 6A 053 418	87 6A 653 418	87 6A 095 418
M32	87 6A 053 419	87 6A 653 419	87 6A 095 419
M40	87 6A 053	87 6A 653	87 6A 095
M50	87 6A 053 429	87 6A 653 429	87 6A 095 429

The boxes are supplied without any cable gland.

Si Sleeve


Inclined
metal 70°

Inclined
metal 30°

Straight
metal

87 6A 087	39 6A 027	87 6A 127
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H Handle


Straight
poly

with finger
draw plate

Straight poly with
poly cable gland

Straight metal with
metal cable gland

Straight poly flowerpot
with metric threaded entry *

Tightening

13 - 35 mm	87 6A 013	87 6A 473 *
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* For in-line connections

Entry
Tightening
Tightening
Entry

M25	87 6A 253 25P	13 - 19 mm	87 6A 953 25M	10 - 18 mm	M25	87 6A 253 418
M32	87 6A 253 32P	17 - 25 mm	87 6A 953 32M	16 - 24 mm	M32	87 6A 253 419
M40	87 6A 753	24 - 32 mm	87 6A 963	22 - 32 mm	M40	87 6A 253 420
M50	87 6A 253 50P	28 - 38 mm	87 6A 953 50M	29 - 40 mm	M50	87 6A 253 429

* Cable gland on request. Handles for flat or steel armoured cables on request (see 'zoom' below).

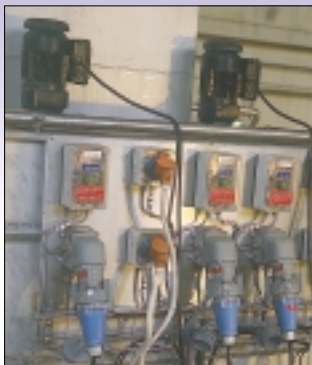
ZOOM


Our solutions for flat or steel armoured cables

You need a handle designed for flat or steel armoured cables?
Call us at 33 (0)1 45 11 60 00.


Handle for
flat cables

DECONTACTOR™ for motors 125 A - 30 kW



Main features:

• (socket-outlet) IP	67	• Wiring (mini / maxi) flexible	16 / 50 mm ²
• (socket-outlet + inlet) IP	67	• Wiring (mini / maxi) stranded	16 / 50 mm ²
• IK	09	• Pre-wired auxiliary contacts (5A)	1.5 mm ²
• U _{max} AC	690V		

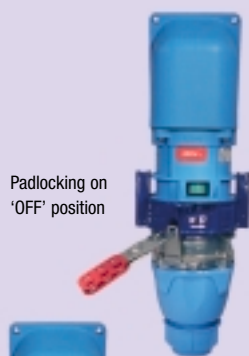
• Rated currents (IEC / EN 60309-1)	125A / 690V			
• Rated powers (AC3 load breaking capacity according to IEC / EN 60947-3):				
up to 230V 1P	230V 3P	400V	500V	690V
15 kW / 20HP	22 kW / 30HP	30 kW / 40HP	30 kW / 40HP	45 kW / 60HP

Accessories



Padlocking device from 1 to 6 padlocks

Padlocking



Padlocking on 'OFF' position



Padlocking on 'ON' position

Padlocking of the socket-outlet with closed lid



Socket-outlet (female)



Inlet (male)



Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 94 08A
190 - 230 V	3P+E	Metal	87 94 033
220 - 250 V	1P+N+E	Metal	87 94 015
380 - 440 V	3P+E	Metal	87 94 013
Dual voltage*	3P+N+E	Metal	87 94 017

* See Bookmark

Other voltages, polarities: see page 8

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 98 08A
190 - 230 V	3P+E	Metal	87 98 033
220 - 250 V	1P+N+E	Metal	87 98 015
380 - 440 V	3P+E	Metal	87 98 013
380 - 440 V	3P+N+E	Metal	87 98 017

Socket-outlet with 4 auxiliary contacts (5A)

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 94 08A 264
190 - 230 V	3P+E	Metal	87 94 033 264
220 - 250 V	2P+E	Metal	87 94 032 264
380 - 440 V	3P+E	Metal	87 94 013 264

Inlet with 4 auxiliary contacts (5A)

Voltage	Polarity	Material	Part #
20 - 24 V	2P	Metal	87 98 08A 264
190 - 230 V	3P+E	Metal	87 98 033 264
220 - 250 V	2P+E	Metal	87 98 032 264
380 - 440 V	3P+E	Metal	87 98 013 264

Socket-outlet accessories

Padlocking device from 1 to 6 padlocks	87 3A 541
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Inlet accessories

IP67 cap	87 9A 126
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Also see:

Dimensions page 123

Technical Manual page 150

Installation accessories

B
Box

Wall box metal +
metal sleeve 70°

Wall box metal +
metal sleeve 30°

Wall box metal +
straight metal sleeve

Entry

M32	87 9A 053 419	87 9A 653 419	87 9A 095 419
M40	87 9A 053 420	87 9A 653 420	87 9A 095 420
M50	87 9A 053	87 9A 653	87 9A 095
M63	87 9A 053 463	87 9A 653 463	87 9A 095 463

The boxes are supplied without any cable gland.

Si
Sleeve

Inclined
metal 70°

Inclined
metal 30°

Straight
metal

87 9A 087	39 9A 027	87 9A 127
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H
Handle

Straight
poly

Straight poly with
poly cable gland

Straight metal with
metal cable gland

Straight poly flowerpot
with metric threaded entry *

Tightening

28 - 38 mm	87 9A 013
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Entry
Tightening
Tightening
Entry

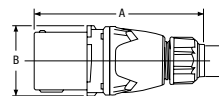
M32	87 9A 253 32P	17 - 25 mm	87 9A 953 32M	16 - 24 mm	M32	87 9A 253 419
M40	87 9A 253 40P	24 - 32 mm	87 9A 953 40M	22 - 32 mm	M40	87 9A 253 420
M50	87 9A 753	28 - 38 mm	87 9A 963	29 - 40 mm	M50	87 9A 253 429
M63	87 9A 253 63P	34 - 44 mm	87 9A 953 63M	37 - 53 mm	M63	87 9A 253 463

* Cable gland on request. Handles for flat or steel armoured cables on request (see 'zoom' on page 119).

DB range dimensions

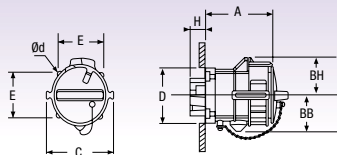
Socket-outlet + plug

Plug



	A	B	Ø
DB3	193	79	8-32
DB6	202	99	14-39
DB9	305	110	22-32

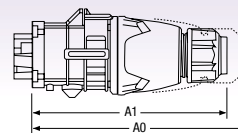
Socket-outlet



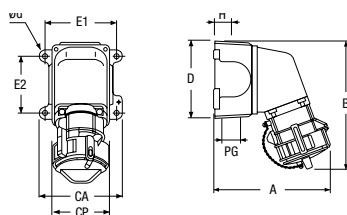
	A	BB	BH	C	D	E	H	Ød
DB3	106.9	45	45	110	55	55.1	26	4.5
DB6	120.7	51	51	124	68	65.8	32	5.5
DB9	134.2	62.5	62.5	146	85	81.3	42	5.5

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

	A1	A0
DB3	213	253
DB6	229	267
DB9	336	396



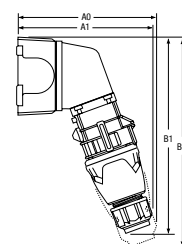
70° wall mounting socket



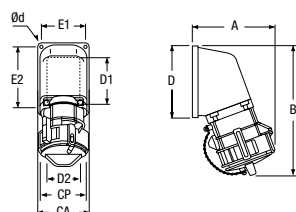
	A	B	CA	CP	D	E1	E2	H	Ød
DB3	196	202	84	110	117	94	70	30	6.5
DB6	234	252	114	124	145	125	97	40	8.5
DB9	273	268	140	146	140	170	108	49	9

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

	A0	A1	B1	B0
DB3	217	230	296	334
DB6	253	266	347	383
DB9	311	331	447	503



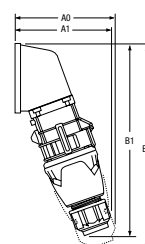
70° inclined socket



	A	B	CA	CP	D	D1	D2	E1	E2	Ød
DB3	133	199	77	110	106	80	65	63	95	5.5
DB6	155	247	102	124	136	115	80	87.3	122	6.5
DB9	181	268	140	146	140	125	100	123.8	123.8	6.5

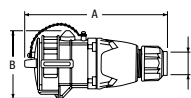
Plug connected (A1)/ disconnected (A0) in a 70° inclined socket

	A0	A1	B1	B0
DB3	153	167	293	330
DB6	174	187	342	378
DB9	219	239	447	503



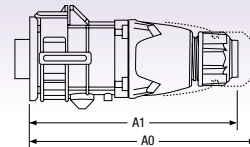
Coupler socket + inlet

Coupler socket



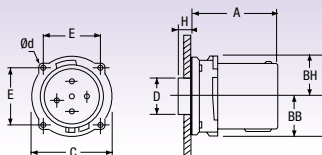
	A	B	Ø
DB3	203	90	10-30
DB6	224	102	13-35
DB9	319	125	29-40

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



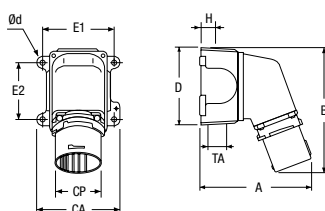
	A1	A0
DB3	213	253
DB6	229	267
DB9	336	396

Inlet



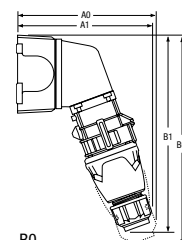
	A	BB	BH	C	D	E	H	Ød
DB3	97	38	41	78	55	55.1	18	4.5
DB6	99	45	54	91	68	65.8	21	5.5
DB9	120.4	53	57	115	85	81.3	41	5.5

70° wall mounting appliance inlet



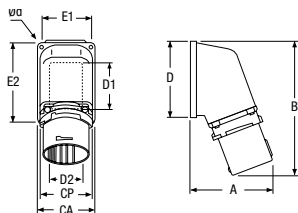
	A	B	CA	CP	D	E1	E2	H	Ød
DB3	180	188	110	78	117	94	70	30	6.5
DB6	214	227	145	91	145	125	97	40	8.5
DB9	255	251	190	146	140	170	108	49	9

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



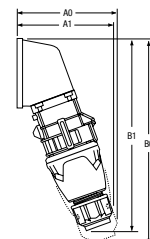
	A0	A1	B1	B0
DB3	217	230	296	334
DB6	253	266	347	383
DB9	311	331	447	503

70° inclined appliance inlet



	A	B	CA	CP	D	D1	D2	E1	E2	Ød
DB3	117	185	77	78	106	80	65	63	95	5.5
DB6	136	222	102	91	136	115	80	87.3	122	6.5
DB9	163	251	140	146	140	125	100	123.8	123.8	6.5

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



	A0	A1	B1	B0
DB3	153	167	293	330
DB6	174	187	342	378
DB9	219	239	447	503



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