



# DS

DECONTACTOR™  
FOR INDUSTRY

30 A / 50 A / 90 A / 150 A / 250 A

- ▶ SAFE AND SIMPLE CONNECTION, EVEN AT 250 A
- ▶ SAFETY SHUTTER
- ▶ GRP OR METAL CASING

The DS family of decontactors offer ratings from 30 to 250 A (ratings specified by IEC 60309-1). Both sockets and inlets are available in metal version from 90 A rating.

#### ■ MOUNTING: SWITCH SHOULD BE ON THE UPPER SIDE!

The decontactor is a socket-outlet with integral switching. It does not need to be interlocked with a switch. The switch button is highlit for easier identification. When installing the socket-outlet, ensure the switch button is positioned upwards.





## SPECIFICATION

IP54/ IP55 Plug and socket-outlet with integral AC-22 / AC-23 switching device, safety shutter (IP4X/IPXXD socket-outlet), silver-nickel butt contacts with metallic braid, comply with MARECHAL® international standard.

## TECHNICAL FEATURES

Plugs and sockets with integral load-break switching capability complying with IEC EN 60309-1 and IEC EN 60309-4 standards

|  | DS1                         | DS3          | DS6          | DS9           | DS2           |
|--|-----------------------------|--------------|--------------|---------------|---------------|
| <b>Rated current (In)</b>              | 30 A                        | 50 A         | 90 A         | 150 A         | 250 A         |
| <b>Umax</b>                            | 690 V                       | 1 000 V      | 1 000 V      | 1 000 V       | 1 000 V       |
| <b>AC-22 switching capability</b>      | 16 A / 690 V                | 32 A / 690 V | 63 A / 690 V | 150 A / 400 V | 250 A / 400 V |
| <b>AC-23 switching capability</b>      | 30 A / 400 V                | 50 A / 400 V | 90 A / 400 V | 100 A / 440 V | 160 A / 440 V |
| <b>Auxiliary contacts (optional)</b>   | 2                           | 4            | 4            | 6             | 7             |
| <b>Keying positions <sup>(1)</sup></b> | 24                          | 24           | 24           | 24            | 12            |
| <b>Ambient temperature</b>             | -40 °C to +60 °C for all DS |              |              |               |               |
| <b>Short-circuit current Icc</b>       | 10 kA for all DS            |              |              |               |               |

<sup>(1)</sup> To distinguish between different power supplies and applications

## STANDARDS ASPECTS

DS decontactors comply with:

- IEC EN 60309-1 & IEC EN 60309-4 European and International standards (plugs and socket-outlets for industrial purposes),
- The European Low Voltage Directive 2006/95/CE (2014/35/EU from April 20 2016),
- The European 'Machine Directive' 2006/42/CE regarding equipment isolation,
- The French NF C 15-100 standard,
- The French decree dated 20 December 2011 pertaining to the wiring and operating conditions of movable electrical apparatuses,
- The decrees relating to workers' protection in Belgium, Spain and Italy,
- The switch utilization categories AC-22A and AC-23A described in IEC EN 60947-3.
- The UL 1682 (USA) and CSA C22.2 N° 182.1-07 (Canada) standards for plugs and socket-outlets.

Also certified by VERITAS LCIE, UL, AS, VDE, TR CU (GOST), CCC and cCSAus (French, American, Australian, German, Russian, Chinese and Canadian inspection laboratories).



**TYPICAL CONFIGURATION**

**WALL MOUNTING SOCKET DS1**

180° opening as standard

**PLUG DS1**

Wall box poly 30°  
311A053

Socket-outlet  
3114017

Straight handle poly  
311A013

Inlet  
3118017

## MAIN FEATURES

|   |       |                           |                          |
|---|-------|---------------------------|--------------------------|
| Rated current (with wiring according to standard) | 30 A  | Ambient temperature       | -40 °C to +60 °C         |
| Maximum voltage                                   | 690 V | Flexible wiring (min-max) | 2,5 - 6 mm <sup>2</sup>  |
| IP protection lid closed                          | IP55  | Stranded wiring (min-max) | 2,5 - 10 mm <sup>2</sup> |
| IP protection connected plug                      | IP54  | Other wiring              | on request               |
| Shock resistance                                  | IK08  | Keying positions          | 24                       |

## LOAD-BREAK CAPABILITY OF THE DECONTACTOR™

|  |                                  |
|--|----------------------------------|
| Comply with IEC EN 60309-1                                 | 30 A / 690 V                     |
| Load-break capability according to IEC EN 60947-3 / AC-22A | (30 A / 500 V) or (16 A / 690 V) |
| Load-break capability according to IEC EN 60947-3 / AC-23A | 30 A / 400 V                     |
| Short-circuit current I <sub>cc</sub>                      | 10 kA                            |

### DUAL VOLTAGE SOCKET-OUTLET (SEE P.8)

| Voltage 50 Hz           | Polarity | Part no. | Part no. |
|-------------------------|----------|----------|----------|
| 20 - 24 V               | 2P       | 311408A  | 311808A  |
| 190 - 230 V             | 3P+E     | 3114033  | 3118033  |
| 220 - 250 V             | 1P+N+E   | 3114015  | 3118015  |
| 380 - 440 V             | 3P+E     | 3114013  | 3118013  |
| 220 - 250 V 380 - 440 V | 3P+N+E   | 3114017  | 3118017  |
| 660 - 690 V             | 3P+E     | 3114193  | 3118193  |
| 380 - 440 V 660 - 690 V | 3P+N+E   | 3114197  | 3118197  |

SOCKET-OUTLET female DS1 (30 A)

INLET male DS1 (30 A)

► Other voltages, frequencies and contact configurations are available (see page 10).

### AUXILIARY CONTACTS

|  |                  |
|--|------------------|
| Socket-outlet with 2 auxiliary contacts (30 A / 500 V) | Socket no. + 972 |
| Inlet with 2 auxiliary contacts (30 A / 500 V)         | Inlet no. + 972  |



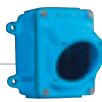
CERTIFICAT N°  
FR 60042266A

**BOXES**

Cable gland not included



Wall box poly 30°



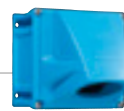
Wall box metal + Inclined poly 30°



Wall box metal 20°



Wall box metal + straight metal sleeve



Wall box poly + Inclined poly 70°

| Entry |         |            |         |            |   |
|-------|---------|------------|---------|------------|---|
| M20   | 311A053 | 311A653    | 391A053 | 391A095    |   |
| M25   | 311A083 | 311A653418 |         | 391A095418 | Not drilled and without cable gland<br>Part no. 51BA058 |
| M32   |         | 311A653419 |         | 391A095419 |   |
| M40   |         | 311A653420 |         | 391A095420 |   |

**SLEEVES**



Inclined poly 30°

311A027



Inclined poly 70°

51BA757



Inclined metal 30°

391A027



Straight metal

391A127

**HANDLES**



Straight poly



Straight poly with poly cable gland



Straight metal with metal cable gland



Straight poly without cable gland with metric threaded entry

|          |         |          |            |           |            |     |            |
|----------|---------|----------|------------|-----------|------------|-----|------------|
| 5 - 21mm | 311A013 | 5-12 mm  | 311A753    | 7 - 13 mm | 311A963    | M20 | 311A253417 |
|          |         | 9-18 mm  | 311A25325P | 8 - 16 mm | 311A95325M | M25 | 311A253418 |
|          |         | 14-25 mm | 311A25332P |           |            | M32 | 311A253419 |
|          |         | 18-32 mm | 311A25340P |           |            | M40 | 311A253420 |

**INDUSTRIAL-DOMESTIC ADAPTERS**



Industrial inlet MARECHAL® 1P+N+E domestic socket-outlet 10/16 A 230V fuse protection 10 A and 16 A.

| Type    | Material | Part no.   |
|---------|----------|------------|
| France  | Poly     | 3118015D11 |
| UK      | Poly     | 3118015D40 |
| Germany | Poly     | 3118015D30 |
| Italy   | Poly     | 3118015D06 |

**I.D.D. EXTENSION CABLE**

(do not connect to a generator)



Extension with a IP44 domestic plug - 10/16 A 230V 2P+E + DS1 IP55 coupler socket - 230 V 1P+N+E, IP55 differential protection unit - 10 or 30 mA with reset (rated current 16 A)

| Diff. Protection | Length | Part no.   |
|------------------|--------|------------|
| 10 mA            | 1,80 m | 3114015ID1 |
| 30 mA            | 1,80 m | 3114015ID3 |

**ACCESSORIES & OPTIONS**

**Locking with shaft for 2 padlocks ø 8 mm (padlocks not supplied)**

Socket no. + 843

**Lockable plug: contact us**

**Padlocking device 1 to 6 padlocks**  
873A541

**E-Stop button**

Socket no. + 453

**Self-closing lid for inlet**

311A226

**Inlet cap**

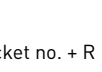
311A426

**Closing mechanism (in-line connections) (a pair of finger draw plates)**

613A346

**Self closing lid**

Socket no. + R



TYPICAL CONFIGURATION

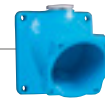


### WALL MOUNTING SOCKET DS3



### PLUG DS3

180° opening as standard



Wall box poly 30°  
313A053



Socket-outlet  
3134017



Straight handle poly  
313A013



Inlet  
3138017

## MAIN FEATURES

|   |        |                           |                         |
|---|--------|---------------------------|-------------------------|
| Rated current (with wiring according to standard) | 50 A   | Ambient temperature       | -40 °C to +60 °C        |
| Maximum voltage                                   | 1000 V | Flexible wiring (min-max) | 6 - 16 mm <sup>2</sup>  |
| IP protection lid closed                          | IP55   | Stranded wiring (min-max) | 10 - 25 mm <sup>2</sup> |
| IP protection connected plug                      | IP54   | Other wiring              | on request              |
| Shock resistance                                  | IK08   | Keying positions          | 24                      |

### LOAD-BREAK CAPABILITY OF THE DECONTACTOR™

|  |                                    |
|--|------------------------------------|
| Comply with IEC EN 60309-1 and IEC EN 60309-4 standards    | (50 A / 690 V) or (32 A / 1 000 V) |
| Load-break capability according to IEC EN 60947-3 / AC-22A | 32 A / 690 V                       |
| Load-break capability according to IEC EN 60947-3 / AC-23A | 50 A / 400 V                       |
| Short-circuit current I <sub>cc</sub>                      | 10 kA                              |

DUAL VOLTAGE SOCKET-OUTLET  
(SEE P.8)

| Voltage 50 Hz           | Polarity | Part no. | Part no. |
|-------------------------|----------|----------|----------|
| 20 - 24 V               | 2P       | 313408A  | 313808A  |
| 190 - 230 V             | 3P+E     | 3134033  | 3138033  |
| 220 - 250 V             | 1P+N+E   | 3134015  | 3138015  |
| 380 - 440 V             | 3P+E     | 3134013  | 3138013  |
| 220 - 250 V 380 - 440 V | 3P+N+E   | 3134017  | 3138017  |
| 660 - 690 V             | 3P+E     | 3134193  | 3138193  |
| 380 - 440 V 660 - 690 V | 3P+N+E   | 3134197  | 3138197  |
| 1 000 V                 | 3P+E     | 3134223  | 3138223  |

SOCKET-  
OUTLET female  
DS3 (50 A)



INLET male  
DS3 (50 A)



► Other voltages, frequencies and contact configurations are available (see page 10).

#### AUXILIARY CONTACTS

Socket-outlet with 2 auxiliary contacts (16 A / 400 V)      Socket no. + 972  
Inlet with 2 auxiliary contacts (16 A / 400 V)              Inlet no. + 972

Socket-outlet with 4 auxiliary contacts (16 A / 400 V)      Socket no. + 264  
Inlet with 4 auxiliary contacts (16 A / 400 V)              Inlet no. + 264



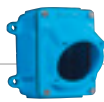
CERTIFICAT N°  
FR 60042266B

**BOXES**

Cable gland not included



Wall box poly 30°



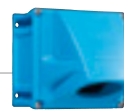
Wall box metal + Inclined poly 30°



Wall box metal + straight metal sleeve



Wall box metal + Inclined metal 70°



Wall box poly + Inclined poly 70°

| Entry |         |            |            |            |   |
|-------|---------|------------|------------|------------|---|
| M20   |         | 313A653417 | 393A095417 | 873A053417 |   |
| M25   | 313A053 | 313A653    | 393A095    | 873A053    | Not drilled and without cable gland<br>Part no. 51CA058 |
| M32   |         | 313A653419 | 393A095419 | 873A053419 |   |
| M40   |         | 313A653420 | 393A095420 | 873A053420 |   |



Wall box metal 20° : Part no. 393A053 for M20 entry

**SLEEVES**



Inclined poly 30°

313A027



Inclined poly 70°

51CA757



Inclined metal 30°

393A027



Straight metal

393A127



Inclined metal 70°

873A087

**HANDLES**



Straight poly



Straight poly with poly cable gland



Straight metal with metal cable gland



Straight poly without cable gland with metric threaded entry

|          |          |          |            |          |            |     |            |
|----------|----------|----------|------------|----------|------------|-----|------------|
| 10-30 mm | 313A013  | 5-12 mm  | 313A25320P | 7-13 mm  | 313A95320M | M20 | 313A253417 |
| 10-30 mm | 313A473* | 9-18 mm  | 313A753    | 8-16 mm  | 313A963    | M25 | 313A253418 |
|          |          | 14-25 mm | 313A25332P | 16-24 mm | 313A95332M | M32 | 313A253419 |
|          |          | 18-32 mm | 313A25340P | 22-32 mm | 313A95340M | M40 | 313A253420 |

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

**ACCESSORIES & OPTIONS**

Locking with shaft for 2 padlocks  
ø 8 mm (padlocks not supplied)

Socket no. + 843



Lockable plug: contact us

Padlocking device 1 to 6 padlocks

873A541



E-Stop button

Socket no. + 453



Self-closing lid for inlet

313A226



Inlet cap

313A426



Closing mechanism (in-line connections)  
(a pair of finger draw plates)

616A346



Self closing lid

Socket no. + R

**TYPICAL CONFIGURATION**

**WALL MOUNTING SOCKET DS6**

**PLUG DS6**

180° opening as standard

Wall box poly 30°  
316A053

Socket-outlet  
3164017

Straight handle poly  
316A013

Inlet  
3168017

## MAIN FEATURES

|   |        |                           |                         |
|---|--------|---------------------------|-------------------------|
| Rated current (with wiring according to standard) | 90 A   | Ambient temperature       | -40 °C to +60 °C        |
| Maximum voltage                                   | 1000 V | Flexible wiring (min-max) | 10 - 25 mm <sup>2</sup> |
| IP protection lid closed                          | IP55   | Stranded wiring (min-max) | 10 - 35 mm <sup>2</sup> |
| IP protection connected plug                      | IP54   | Other wiring              | on request              |
| Shock resistance (poly casing)                    | IK08   | Keying positions          | 24                      |
| Shock resistance (metal casing)                   | IK09   |                           |                         |

## LOAD-BREAK CAPABILITY OF THE DECONTACTOR™

|  |                                   |
|--|-----------------------------------|
| Comply with IEC EN 60309-1 and IEC EN 60309-4 standards    | [90 A / 690 V] or [63 A / 1000 V] |
| Load-break capability according to IEC EN 60947-3 / AC-22A | 63 A / 690 V                      |
| Load-break capability according to IEC EN 60947-3 / AC-23A | 90 A / 400 V                      |
| Short-circuit current I <sub>cc</sub>                      | 10 kA                             |

| Voltage 50 Hz             | Polarity | SOCKET-OUTLET female DS6 (90 A) | INLET male DS6 (90 A) |
|---------------------------|----------|---------------------------------|-----------------------|
|                           |          | Part no.*                       | Part no.*             |
| 190 - 230 V               | 3P+E     | 3164033                         | 3168033               |
| 220 - 250 V               | 1P+N+E   | 3164015                         | 3168015               |
| 380 - 440 V               | 3P+E     | 3164013                         | 3168013               |
| 220 - 250 V / 380 - 440 V | 3P+N+E   | 3164017                         | 3168017               |
| 660 - 690 V               | 3P+E     | 3164193                         | 3168193               |
| 380 - 440 V / 660 - 690 V | 3P+N+E   | 3164197                         | 3168197               |
| 1000 V                    | 3P+E     | 3164223                         | 3168223               |

**DUAL VOLTAGE SOCKET-OUTLET (SEE P.8)**

► Other voltages, frequencies and contact configurations are available (see page 10).

\* The listed Part nos. call up GRP casings. For metal casings, replace prefix 31 by 39.

### AUXILIARY CONTACTS

Socket-outlet with 2 auxiliary contacts (5 A / 500 V)      Socket no. + 972  
Inlet with 2 auxiliary contacts (5 A / 500 V)                Inlet no. + 972

Socket-outlet with 4 auxiliary contacts (5 A / 500 V)      Socket no. + 264  
Inlet with 4 auxiliary contacts (5 A / 500 V)                Inlet no. + 264



CERTIFICAT N°  
FR 60042266C

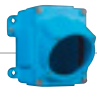


**BOXES**

Cable gland not included



Wall box poly 30°



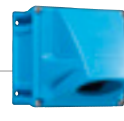
Wall box metal + Inclined metal 30°



Wall box metal + straight metal sleeve



Wall box metal + Inclined metal 70°



Wall box poly + Inclined poly 70°

Entry

|     |         |            |            |            |   |
|-----|---------|------------|------------|------------|---|
| M25 |         | 396A653418 | 396A095418 | 876A053418 |   |
| M32 |         | 396A653419 | 396A095419 | 876A053419 | Not drilled and without cable gland<br>Part no. 51DA058 |
| M40 | 316A053 | 396A653    | 396A095    | 876A053    |   |
| M50 |         | 396A653429 | 396A095429 | 876A053429 |   |



Wall box metal 20° : Part no. 396A053 for M40 entry

**SLEEVES**



Inclined poly 30°

316A027



Inclined poly 70°

51DA757



Inclined metal 30°

396A027



Straight metal

396A127



Inclined metal 70°

876A087

**HANDLES**



Straight poly



Straight poly with poly cable gland



Straight metal with metal cable gland



Straight poly without cable gland with metric threaded entry

|          |          |          |            |          |            |     |            |
|----------|----------|----------|------------|----------|------------|-----|------------|
| 13-35 mm | 316A013  | 9-18 mm  | 316A25325P | 8-16 mm  | 316A95325M | M25 | 316A253418 |
| 13-35 mm | 316A473* | 14-25 mm | 316A25332P | 16-24 mm | 316A95332M | M32 | 316A253419 |
|          |          | 18-32 mm | 316A753    | 22-32 mm | 316A963    | M40 | 316A253420 |
|          |          | 24-38 mm | 316A25350P | 34-44 mm | 316A95350M | M50 | 316A253429 |

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

**ACCESSORIES & OPTIONS**

Locking with shaft for 2 padlocks  
ø 8 mm (padlocks not supplied)

Socket no. + 843

Lockable plug: contact us

Padlocking device 1 to 6 padlocks  
873A541

E-Stop button

Socket no. + 453

Self-closing lid for inlet

316A226

Inlet cap

316A426

Closing mechanism (in-line connections)  
(a pair of finger draw plates)

316A346

Self closing lid  
IP66/IP67 (socket & inlet)

Socket no. + R  
Part no. + 600





**TYPICAL CONFIGURATION**

**WALL MOUNTING SOCKET DS9**

180° opening as standard

**PLUG DS9**

Wall box metal 30°  
399A053

Socket-outlet  
3194017

Straight elastomer  
659A013 ...

Inlet  
3198017

## MAIN FEATURES

|   |           |                           |                         |
|---|-----------|---------------------------|-------------------------|
| Rated current (with wiring according to standard) | 150 A     | Ambient temperature       | -40 °C to +60 °C        |
| Maximum voltage                                   | 1000 V    | Flexible wiring (min-max) | 25 - 70 mm <sup>2</sup> |
| IP protection lid closed                          | IP66/IP67 | Stranded wiring (min-max) | 25 - 95 mm <sup>2</sup> |
| IP protection connected plug                      | IP66/IP67 | Keying positions          | 24                      |
| Shock resistance (poly casing)                    | IK08      |                           |                         |

## LOAD-BREAK CAPABILITY OF THE DECONTACTOR™

|  |                                    |
|--|------------------------------------|
| Comply with IEC EN 60309-1 and IEC EN 60309-4 standards    | (150 A / 500 V) or (125 A / 690 V) |
| Load-break capability according to IEC EN 60947-3 / AC-22A | (90 A / 690 V) or (150 A / 400 V)  |
| Load-break capability according to IEC EN 60947-3 / AC-23A | 100 A / 440 V                      |
| Short-circuit current I <sub>cc</sub>                      | 10 kA                              |

**DUAL VOLTAGE SOCKET-OUTLET (SEE P.8)**

| Voltage 50 Hz             | Polarity | Part no. | Part no. |
|---------------------------|----------|----------|----------|
| 190 - 230 V               | 3P+E     | 3194033  | 3198033  |
| 220 - 250 V               | 1P+N+E   | 3194015  | 3198015  |
| 380 - 440 V               | 3P+E     | 3194013  | 3198013  |
| 220 - 250 V / 380 - 440 V | 3P+N+E   | 3194017  | 3198017  |
| 660 - 690 V               | 3P+E     | 3194193  | 3198193  |
| 380 - 440 V / 660 - 690 V | 3P+N+E   | 3194197  | 3198197  |
| 1000 V                    | 3P+E     | 3194223  | 3198223  |

**SOCKET-OUTLET female DS9 (150 A)**

**INLET male DS9 (150 A)**

► Other voltages, frequencies and contact configurations are available (see page 10).

### AUXILIARY CONTACTS

|  |                                     |
|--|-------------------------------------|
| Socket-outlet with 2 auxiliary contacts (10 A / 400 V)<br>Inlet with 2 auxiliary contacts (10 A / 400 V) | Socket no. + 262<br>Inlet no. + 262 |
| Socket-outlet with 4 auxiliary contacts (10 A / 400 V)<br>Inlet with 4 auxiliary contacts (10 A / 400 V) | Socket no. + 264<br>Inlet no. + 264 |
| Socket-outlet with 6 auxiliary contacts (10 A / 400 V)<br>Inlet with 6 auxiliary contacts (10 A / 400 V) | Socket no. + 976<br>Inlet no. + 976 |



CERTIFICAT N°  
FR 617256A

**BOXES**

Cable gland not included



Wall box metal + Inclined metal 70°



Wall box metal + Inclined metal 30°



Wall box metal + straight metal sleeve



Wall box metal + Inclined metal 70°



Wall box metal + Inclined metal 30°



Wall box metal + straight metal sleeve

| Entry |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| M32   |            |            |            | 879A823419 | 399A653419 | 399A095419 |
| M40   |            |            |            | 879A823420 | 399A653420 | 399A095420 |
| M50   | 879A853    | 399A053    | 399A895    | 879A823    | 399A653    | 399A095    |
| M63   | 879A853463 | 399A053463 | 399A895463 | 879A823463 | 399A653463 | 399A095463 |
| M75   | 879A853475 | 399A053475 | 399A895475 |            |            |            |

**SLEEVES**



Inclined poly 30°

319A027



Inclined metal 30°

399A027



Inclined metal 70°

879A087



Straight metal

399A127

**HANDLES**



Straight elastomer



Straight poly with poly cable gland



Straight poly without cable gland with metric threaded entry

|          |            |          |            |     |            |
|----------|------------|----------|------------|-----|------------|
| 18-25 mm | 659A013D25 | 35-48 mm | 619A25363P | M63 | 619A253463 |
| 25-35 mm | 659A013D35 |          |            |     |            |
| 35-45 mm | 659A013D45 |          |            |     |            |
| 45-49 mm | 659A013D49 |          |            |     |            |

**INFO +**

**DS9 with 6 auxiliary contacts**

With up to 6 auxiliary contacts, DS9 can connect a thermistor and control a process in addition to the main power connection. There is no need to operate an additional connector.

**This feature allows for the connection of power supply and between the control board and the machine.**



**ACCESSORIES & OPTIONS**

**Locking with shaft for 3 padlocks**  
ø 8 mm (padlocks not supplied)

Socket no. + 844

**Lockable plug: contact us**

**Padlocking device 1 to 6 padlocks**  
873A541

**E-Stop button**

Socket no. + 453

**Self-closing lid for inlet contact us**

**Inlet cap**

319A126

**Self-returning lid**

Socket no. + R



TYPICAL CONFIGURATION



WALL MOUNTING SOCKET DS9



PLUG DS9



Wall box metal 70°  
879A823



Socket-outlet  
3994017



Straight elastomer  
659A013 ...



Inlet  
3998017

## MAIN FEATURES

|   |        |                           |                         |
|---|--------|---------------------------|-------------------------|
| Rated current (with wiring according to standard) | 150 A  | Ambient temperature       | -40 °C to +60 °C        |
| Maximum voltage                                   | 1000 V | Flexible wiring (min-max) | 25 - 70 mm <sup>2</sup> |
| IP protection lid closed                          | IP55   | Stranded wiring (min-max) | 25 - 95 mm <sup>2</sup> |
| IP protection connected plug                      | IP54   | Keying positions          | 24                      |
| Shock resistance (metal casing)                   | IK09   |                           |                         |

## LOAD-BREAK CAPABILITY OF THE DECONTACTOR™

|  |                                    |
|--|------------------------------------|
| Comply with IEC EN 60309-1 and IEC EN 60309-4 standards    | (150 A / 500 V) or (125 A / 690 V) |
| Load-break capability according to IEC EN 60947-3 / AC-22A | (90 A / 690 V) or (150 A / 400 V)  |
| Load-break capability according to IEC EN 60947-3 / AC-23A | 100 A / 440 V                      |
| Short-circuit current I <sub>cc</sub>                      | 10 kA                              |

## DUAL VOLTAGE SOCKET-OUTLET (SEE P.8)

| Voltage 50 Hz           | Polarity | Part no. | Part no. |
|-------------------------|----------|----------|----------|
| 190 - 230 V             | 3P+E     | 3994033  | 3998033  |
| 220 - 250 V             | 1P+N+E   | 3994015  | 3998015  |
| 380 - 440 V             | 3P+E     | 3994013  | 3998013  |
| 220 - 250 V 380 - 440 V | 3P+N+E   | 3994017  | 3998017  |
| 660 - 690 V             | 3P+E     | 3994193  | 3998193  |
| 380 - 440 V 660 - 690 V | 3P+N+E   | 3994197  | 3998197  |
| 1000 V                  | 3P+E     | 3994223  | 3998223  |

SOCKET-OUTLET female DS9 (150 A)



INLET male DS9 (150 A)



► Other voltages, frequencies and contact configurations are available (see page 10).

### AUXILIARY CONTACTS

|  |                                     |
|--|-------------------------------------|
| Socket-outlet with 2 auxiliary contacts (10 A / 400 V)<br>Inlet with 2 auxiliary contacts (10 A / 400 V) | Socket no. + 262<br>Inlet no. + 262 |
| Socket-outlet with 4 auxiliary contacts (10 A / 400 V)<br>Inlet with 4 auxiliary contacts (10 A / 400 V) | Socket no. + 264<br>Inlet no. + 264 |
| Socket-outlet with 6 auxiliary contacts (10 A / 400 V)<br>Inlet with 6 auxiliary contacts (10 A / 400 V) | Socket no. + 976<br>Inlet no. + 976 |



CERTIFICAT N°  
FR 617256A

**BOXES**

Cable gland not included



Wall box metal + Inclined metal 70°



Wall box metal + Inclined metal 30°



Wall box metal + straight metal sleeve



Wall box metal + Inclined metal 70°



Wall box metal + Inclined metal 30°



Wall box metal + straight metal sleeve

| Entry |            |            |            |            |            |            |
|-------|------------|------------|------------|------------|------------|------------|
| M32   |            |            |            | 879A823419 | 399A653419 | 399A095419 |
| M40   |            |            |            | 879A823420 | 399A653420 | 399A095420 |
| M50   | 879A853    | 399A053    | 399A895    | 879A823    | 399A653    | 399A095    |
| M63   | 879A853463 | 399A053463 | 399A895463 | 879A823463 | 399A653463 | 399A095463 |
| M75   | 879A853475 | 399A053475 | 399A895475 |            |            |            |

**SLEEVES**



Inclined metal 30°

399A027



Inclined metal 70°

879A087



Straight metal

399A127

**HANDLES**



Straight elastomer



Straight poly with metal cable gland



Straight metal with metal cable gland



Straight poly without cable gland with metric threaded entry

|          |            |          |            |          |            |     |            |
|----------|------------|----------|------------|----------|------------|-----|------------|
| 18-25 mm | 659A013D25 | 35-48 mm | 619A25363M | 22-32 mm | 319A95340M | M63 | 619A253463 |
| 25-35 mm | 659A013D35 |          |            | 34-44 mm | 319A963    |     |            |
| 35-45 mm | 659A013D45 |          |            | 35-48 mm | 319A95363M |     |            |
| 45-49 mm | 659A013D49 |          |            |          |            |     |            |

**ACCESSORIES & OPTIONS**

Locking with shaft for 3 padlocks  
ø 8 mm (padlocks not supplied)

Socket no. + 844

Lockable plug: contact us

Padlocking device 1 to 6 padlocks  
873A541

E-Stop button

Socket no. + 453

Self-closing lid for inlet  
contact us

Inlet cap

319A126

180° opening lid

Self-returning lid

180° opening and self-returning lid  
IP66/IP67 (socket & inlet)

Socket no. + 10

Socket no. + R

Socket no. + 18

Part no. + 600

TYPICAL CONFIGURATION



### WALL MOUNTING SOCKET DS<sub>2</sub>



### PLUG DS<sub>2</sub>



Wall box metal 60°  
392A053



Socket-outlet  
3924017



Straight elastomer  
352A013D45



Inlet  
3928017

## MAIN FEATURES

|   |        |                           |                          |
|---|--------|---------------------------|--------------------------|
| Rated current (with wiring according to standard) | 250 A  | Ambient temperature       | -40 °C to +60 °C         |
| Maximum voltage                                   | 1000 V | Flexible wiring (min-max) | 70 - 95 mm <sup>2</sup>  |
| IP protection lid closed                          | IP55   | Stranded wiring (min-max) | 70 - 120 mm <sup>2</sup> |
| IP protection connected plug                      | IP54   | Keying positions          | 12                       |
| Shock resistance                                  | IK09   |                           |                          |

### LOAD-BREAK CAPABILITY OF THE DECONTACTOR™

|  |                                    |
|--|------------------------------------|
| Comply with IEC EN 60309-1 and IEC EN 60309-4 standards    | (250 A / 500 V) or (200 A / 690 V) |
| Load-break capability according to IEC EN 60947-3 / AC-22A | (250 A / 400 V) or (125 A / 690 V) |
| Load-break capability according to IEC EN 60947-3 / AC-23A | 160 A / 440 V                      |
| Short-circuit current I <sub>cc</sub>                      | 10 kA                              |

### DUAL VOLTAGE SOCKET-OUTLET (SEE P.8)

| Voltage 50 Hz             | Polarity | Part no. | Part no. |
|---------------------------|----------|----------|----------|
| 190 - 230 V               | 3P+E     | 3924033  | 3928033  |
| 380 - 440 V               | 3P+E     | 3924013  | 3928013  |
| 220 - 250 V / 380 - 440 V | 3P+N+E   | 3924017  | 3928017  |
| 660 - 690 V               | 3P+E     | 3924193  | 3928193  |
| 380 - 440 V / 660 - 690 V | 3P+N+E   | 3924197  | 3928197  |
| 1000 V                    | 3P+E     | 3924223  | 3928223  |

SOCKET-  
OUTLET female  
DS<sub>2</sub> (250 A)



INLET male  
DS<sub>2</sub> (250 A)



► Other voltages, frequencies and contact configurations are available (see page 10).

### AUXILIARY CONTACTS

|   |                  |
|---|------------------|
| Socket-outlet with 2 auxiliary contacts (5 A / 400 V) | Socket no. + 972 |
| Inlet with 2 auxiliary contacts (5 A / 400 V)         | Inlet no. + 972  |

For more than 2 auxiliary contacts, please contact us.



CERTIFICAT N°  
FR 617263A

**BOXES**  
Cable gland  
not included



Wall box metal +  
Inclined metal 60°

**BOXES**  
Cable gland included



Wall box 70° SS

| Entry |            | Entry    |            |
|-------|------------|----------|------------|
| M63   | 392A053    | 35-46 mm | 394A02563M |
| M75   | 392A053475 | 48-65 mm | 394A02575M |

**SLEEVES**



Inclined  
metal 60°

392A027

**HANDLES**



Straight  
elastomer



Straight  
metal



Straight poly without  
cable gland with metric  
threaded entry



Straight poly with gland for  
mechanical retention only  
(no watertightness)

|          |            |          |            |     |            |          |            |
|----------|------------|----------|------------|-----|------------|----------|------------|
| 25-35 mm | 352A013D35 | 40-54 mm | 392A913    | M63 | 392A253463 | 40-63 mm | 392A253D63 |
| 35-45 mm | 352A013D45 | 54-63 mm | 392A913-63 | M75 | 392A253475 |          |            |
| 45-49 mm | 352A013D49 |          |            |     |            |          |            |



**THORNE &  
DERRICK  
INTERNATIONAL**

**Thorne & Derrick**  
+44 (0) 191 410 4292  
www.heatingandprocess.com

**INFO +**

**400 A / 1000 V connecting device**

DS4 is a plug and socket-outlet that can work with up to 400 A as a connector without load-breaking capacity. It is available in 2P+E or 3P+E version with 2 pilot contacts for electrical interlocking.

**Advantage: The DS4 has the same interface as the DS2 and is just as easy to operate. See HIGHT CURRENT RANGE (page 100).**



**ACCESSORIES & OPTIONS**

**Locking with shaft for 2 padlocks  
ø 8 mm (padlocks not supplied)**

Socket no. + 844

**Lockable plug: contact us**

**Padlocking device 1 to 6 padlocks**  
873A541

**Inlet cap**  
312A126

**180° opening lid**

**Self-returning lid**

**180° opening and self-returning lid  
IP66/IP67 (socket & inlet)**

Socket no. + 10

Socket no. + R

Socket no. + 18

Part no. + 600

