

DS2 DECONTACTOR is a compact and waterproof plug and socket-outlet with integrated switch for industrial purposes.
DS4 is a high power connector.

DS2 DECONTACTOR and DS4 comply with the following regulations and standards(a) :

European Directives Low Voltage and RoHS (affixing of CE marking), REACH European Regulation.

DS2 complies with IEC/EN 60309-1, IEC/EN 60309-4, IEC/EN 60947-3 (dealing with the load breaking capacities AC-22 and AC-23), UL 1682, UL 2682 (USA), CSA C22.2 N° 182.1-07 (Canada) standards, MIL-S-901D (sea military specifications).

DS2 DECONTACTOR is certified by the following certification bodies:

LCIE (France), UL (USA), SAA (Australia), VDE (Germany), TR CU (Russia), CSA (Canada), Bureau Veritas Marine, MIL-S-901D (Military).



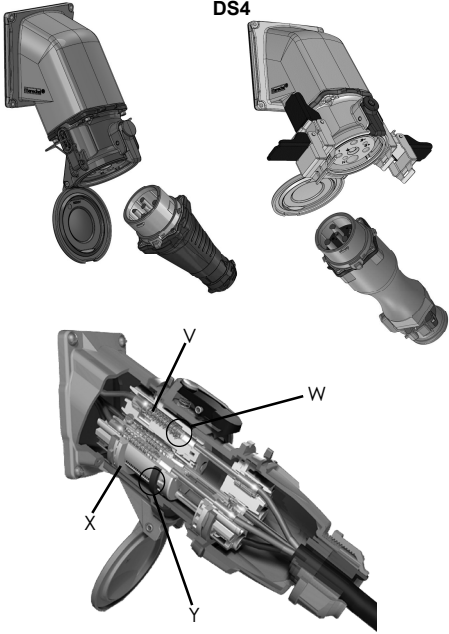
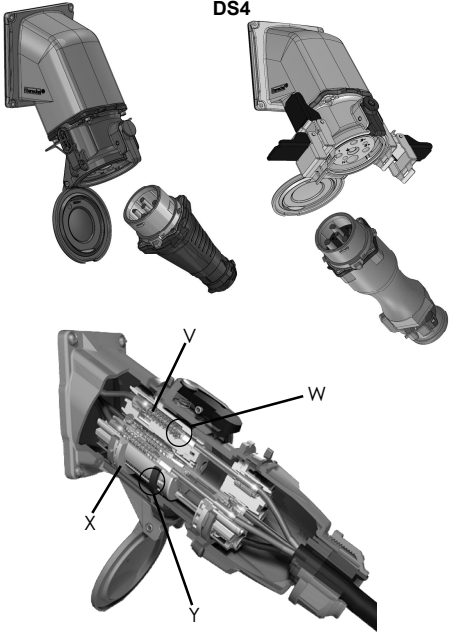
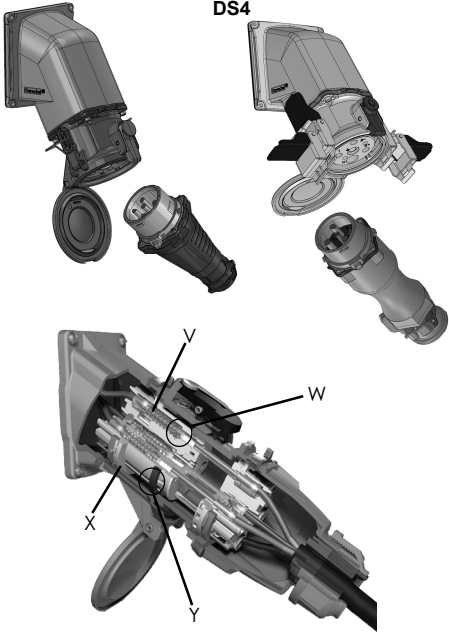
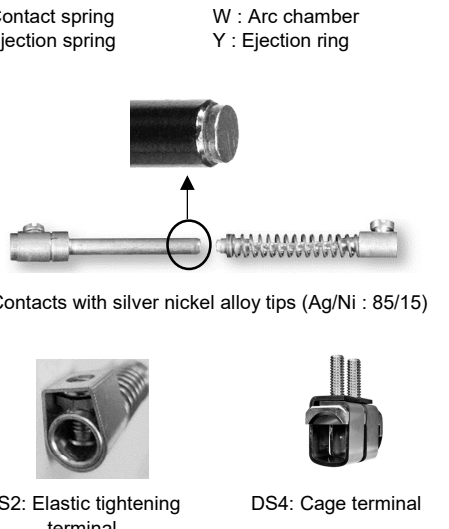
The use of DS2 DECONTACTOR facilitates the compliance with:

- electrical machinery to the "Machinery" European Directive on isolating device, and to standard EN 60204-1 : Safety of machinery-electrical equipment of machines

- electrical installation:

* to national regulations relating to the improvement of the safety and health of workers at work in France, Italy, Spain, Belgium,

* to installation standards : IEC 60364 (international), HD 60364 (European), NFPA 70 (USA) and NF C 15-100 (French) or other national transposition of IEC/HD 60364.

General information		DS2	DS4	DS2	DS4
(b)	I_n	250 A	400 A		
	U_{max} (V AC/V DC)	1 000/1 500	1 000/1 500		
(c)	Frequency (Hz)	≤ 500	≤ 500		
(d)	Number of contacts	4P+E	3P+E		
(e)	Number of keying positions	12	12		
	Connection (min - max): mm²				
	Flexible conductors (Cu): main contacts	70 - 95	95 - 150		
	Rigid/stranded conductors (Cu): main contacts	70 - 120	95 - 185		
	Tightening torque - main contacts	15 Nm	10 Nm		
	Wiring lugs	Option	Option		
	Icc: conditional short circuit current (kA)				
	with gG fuse	10 kA			
	with RK1 NTD fuse	10 kA			
Auxiliaries / pilots contacts					
	I_n	5 A	5 A		
	U_{max} (V AC/V DC)	400 V	400 V		
(f)	Number of auxiliaries / pilots contacts	6 aux	2 pil		
	Connection (min - max): mm²				
	Flexible wiring	2.2	2.2		
	Tightening torque	0.8 Nm	0.8 Nm		
Used as connector according to IEC/EN 61984: In					
	I_n	250 A	400 A		
	U_{max}	1000 V AC	1000 V AC		
		1500 V DC	1500 V DC		
Breaking as plug and socket-outlet according to IEC/EN 60309-1					
(g)	I_n (A) / U_{max} (V AC)	250 - 500			
Breaking as switch according to IEC/EN 60947-3					
(g)	Category AC-22A: I_n (A) - U_{max} (V AC)	250 - 400			
(g)	Category AC-23A: I_n (A) - U_{max} (V AC)	160 - 440			
Breaking as plug and socket-outlet according to UL 2682					
	Power: HP	100			
Increase of DC load-breaking capacity (contacts in series)					
		Option			
Number of operations					
	According to IEC/EN 60309-1 : Cos(Φ) 0,8	250			
	According to UL 2682 : Cos(Φ) 0,75	6 000			
	Mechanical	6 000	250		
Isolating distance					
		20 mm			
Thermal features					
	Temperature of use mini/maxi (°C)	-40/+60 °C	-40/+60 °C		
	Storage temperature mini/max: (°C)	-40/+80 °C	-40/+80 °C		
					
				DS2: Elastic tightening terminal DS4: Cage terminal	

Mechanical features

- (h) IP: connected device
- (h) IP: lid/cap closed
- (h) IP: socket-outlet with lid/cap opened

- (i) IK
- Retaining/releasing device
- Casing

Standard color
Other colors

Vibrations resistance
Resistance of chemical agents
Protection against UV (according to UL 746C or equivalent)
Salt mists resistance
Screws and bolts
Weight of inlet without accessory (≈)
Weight of socket-outlet without accessory (≈)

Main options

- Self-returning lid
- Inlet cap
- Locking / padlocking
- Larger release button ("STOP")
- Electromagnetic compatibility (EMC)

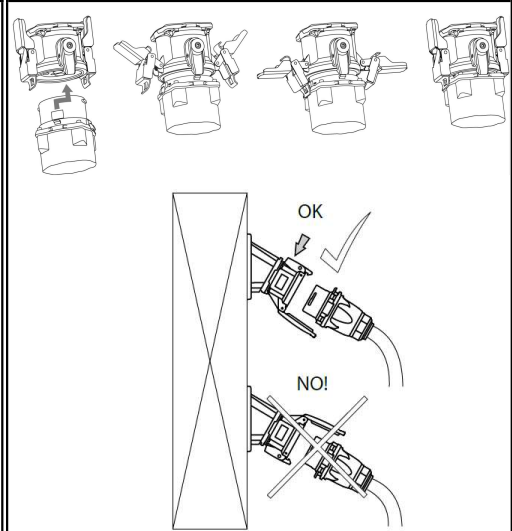
Mounting accessories

- Metal sleeve: angle (°)
- Metal box: angle (°)
- Poly straight handle with built-in cable gland: range take (mm)
- Elastomer straight handle with built-in cable gland: range take (mm)
- Threaded poly straight handle
- Threaded metal straight handle
- Poly straight handle + separated poly cable gland: range take (mm)
- Metal straight handle with built-in cable gland: range take (mm)

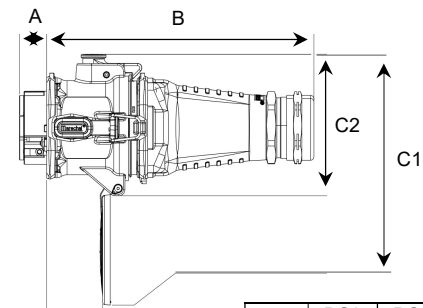
Spare parts

- Inlet or socket-outlet interior moulding
- Inlet or socket-outlet contacts
- Inlet or socket-outlet colored gasket
- Inlet or socket-outlet casing
- Socket-outlet casing gasket

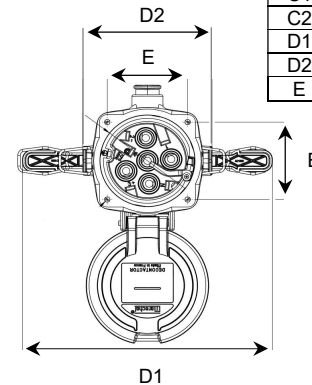
DS2	DS4
IP66/IP67	IP66/IP67
IP66/IP67	IP66/IP67
IP3X - Safety shutter	IP2X
IK10	IK10
Release button	
Aluminium alloy	
MARECHAL® Blue	
On request	
✓	✓
✓	✓
NA	NA
Contact us	
Stainless steel	
2.20 kg	3.40 kg
3 kg	4.90 kg



Dimensions



mm	DS2	DS4
A	36	90
B	353	526
C1	327	327
C2	184	185
D1	305	375
D2	158	183
E	98	98



- (a) European Regulation REACH: registration, evaluation, authorisation and restriction of chemicals
IEC/EN 60309-1 : "Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements"
IEC/EN 60309-4 : "Plugs, socket-outlets and couplers for industrial purposes – Part 4: Switched socket-outlets and connectors with or without interlock"
IEC/EN 60947-3 : "Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units"
IEC/EN 61984 : "Connectors – Safety requirements and tests"
UL 1682 : "Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type"
UL 2682 : "Outline of Investigation for Switch-Rated Plugs and Receptacles"
CSA C22.2 No 182,1-07 : "Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type"
- (b) In : Rated current as defined by the manufacturer
(c) Other frequency: contact us
(d) Contacts with silver-nickel tips (Ag/Ni 85/15)
(e) Number of voltage / frequency / grid, keying positions
(f) Auxiliaries contacts are located on the plug and socket-outlet sides. Pilot contacts are only located on the socket-outlet side.
(g) For direct current applications : contact us
(h) IP : Degrees of protection provided by enclosures (IEC/EN 60529)
(i) IK : Degrees of protection provided by enclosures against mechanical impacts (IEC/EN 62262)