

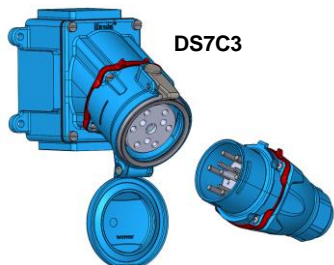
DS7C MULTICONTACT is a compact and reliable multipins connector for industrial purposes and especially for two-speed motors with star-delta starters.

DS7C MULTICONTACT complies with the following regulations (a) :  
European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

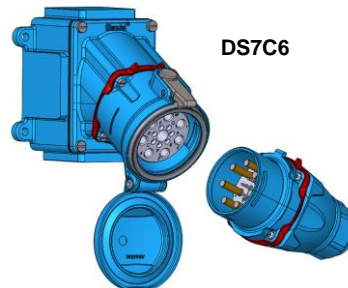
DS7C3 has an integral switch and complies with the essential requirements of the following standards (a): IEC/EN 60309-1, IEC/EN 60309-4 and IEC/EN 60947-3.

DS7C3 MULTICONTACT is certified by the following certification bodies: TR CU (Russia).

**EAC**



DS7C3



DS7C6

#### General information

	DS7C3	DS7C6
(b) $I_n$	50 A	100 A
$U_{max}$ (V AC/ V DC)	500/750	500/750
(c) Frequency (Hz)	$\leq 500$	$\leq 500$
(d) Number of contacts	6P+E	6P+E
(e) Number of keying positions	5	4
Connection (min - max): mm <sup>2</sup>		
Flexible conductors (Cu): main contacts	2.5 - 10	10 - 25
Rigid/stranded conductors (Cu): main contacts	2.5 - 10	10 - 35
Tightening torque - main contacts	1.8 Nm	4 Nm
Wiring lugs	Option	Option

#### Auxiliaries / pilots contacts

$I_n$	10 A	10 A
$U_{max}$ (V AC)	400 V	500 V
Number of auxiliaries / pilots contacts	3 aux	7 aux
Connection (min - max): mm <sup>2</sup>		
Flexible wiring	2.5 - 6	2
Rigid/stranded conductors:	2.5 - 10	2
Tightening torque	1.8 Nm	Pre-wired

#### Used as connector according to IEC/EN 61984: In

$I_n$	50 A	100 A
$U_{max}$	500 V AC	500 V AC
	750 V DC	750 V DC

#### Breaking as plug and socket-outlet according to IEC/EN 60309-1

$I_n$  (A) /  $U_{max}$  (V AC) 50 - 500

#### Breaking as switch according to IEC/EN 60947-3

Category AC-22A:  $I_e$  (A) -  $U_e$  (V AC) 50 - 500

#### Number of operations

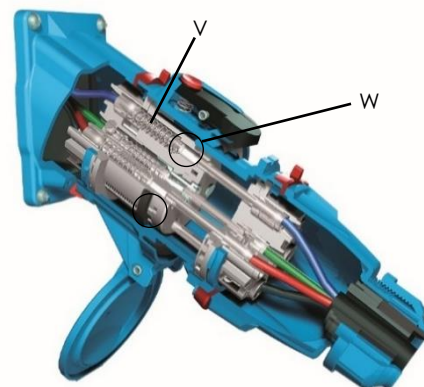
Mechanical 2 000 2 000

#### 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
Maximal temperature rise (Kmax)	49 K	68 K
Time constant (to reach 63 % of Kmax)	31 mn	29 mn

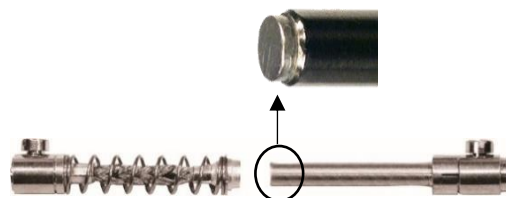
#### Mechanical features

(f) IP: connected device	Metal enclosure IP66/IP67	IP66/IP67
	Insulating enclosure IP66/IP67	IP66/IP67
(f) IP: lid/cap closed	Metal enclosure IP66/IP67	IP66/IP67
	Insulating enclosure IP66/IP67	IP66/IP67
(f) IP: socket-outlet with lid/cap opened	IP4X	IP2X
(g) IK	Metal enclosure IK09	IK09
	Insulating enclosure IK09	IK09



V : Contact spring

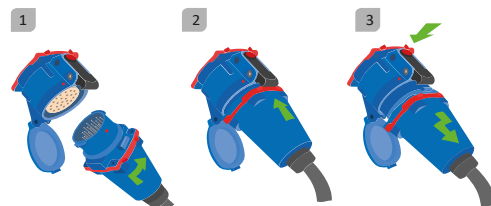
W : Arc chamber



Contacts with silver nickel alloy tips (Ag/Ni : 85/15)



Spring assisted terminal:  
Stainless steel ring



**... Mechanical features**

Retaining/releasing device  
Casing

(h)

Metallic  
Insulating  
Standard color  
Other colors

Vibrations resistance  
Resistance to chemical agents

Protection against UV (according to UL 746C or equivalent)

Salt mist resistance

Screws and bolts

Weight of inlet without accessory (≈)

Weight of socket-outlet without accessory (≈)

**Main options**

Socket-outlet opening up to 180°

Self-returning lid

Inlet cap

Self-returning inlet lid

Locking / padlocking

Automatic self-ejection

Larger release button ( "STOP" )

Finger draw plates

(i) Electromagnetic compatibility (EMC)

**Mounting accessories**

Poly sleeve: angle (°)

Metal sleeve: angle (°)

Poly box: angle (°)

Metal box: angle (°)

Poly box + poly sleeve: angle (°)

Metal box + poly sleeve: angle (°)

Metal box + metal sleeve: angle (°)

Poly 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 + separated metal cable gland: range take (mm)

**Spare parts**

Inlet or socket-outlet interior moulding

Inlet or socket-outlet contacts

Inlet or socket-outlet casing

Gaskets

[Catalog: Web link](#)

**DS7C3 DS7C6**

Red release button

Aluminium alloy  
GRP (poly)

MARECHAL® Blue

Contact us

✓ ✓

✓ ✓

Contact us

NA NA

f1 f1

Contact us

> 50 000 h

Stainless steel

0.7 kg 0.8 kg

1.3 kg 1.3 kg

Included

IP40 IP40

IP66/IP67 IP66/IP67

IP55 IP55

✓ ✓

✓ ✓

✓ ✓

✓ Included

✓ ✓

30/70 30/70

0/30/70 0/30/70

30 30

20 20

70 70

30 30

0/30/70 0/30/70

13 - 35 13 - 35

M32 - M50 M32 - M50

M25 - M50 M25 - M50

14 - 38 14 - 38

8 - 44 8 - 44

✓ ✓

✓ ✓

✓ ✓

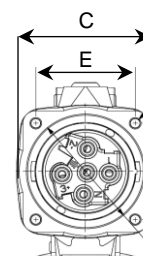
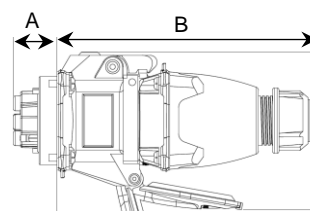
✓ ✓

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**Dimensions**



	DS7C3 DS7C6	
mm	GRP	Metal
A	25	25
B	207	241
C	98	98
E	66	66



Locking pin for 2 padlocks

**Poly straight handle with built-in cable gland**

5 sizes gasket



- (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"
- (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) IP : Degrees of protection provided by enclosures (IEC/EN 60529)
- (g) IK : Degrees of protection provided by enclosures against mechanical impacts (IEC/EN 62262)
- (h) GRP : Glass-reinforced technical plastic
- (i) Suitable for EMC environments: use of metallic housings and accessories, and cable gland with shielding recovery.