

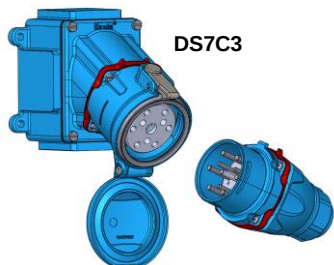
DS7C MULTICONTACT is a compact and reliable multipins connector for industrial purposes and especially for two-speed motors with star-delta starters.

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

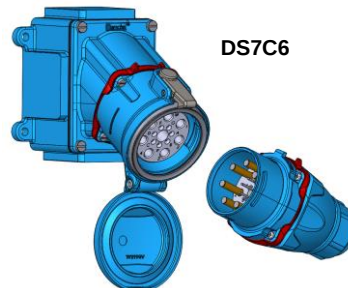
DS7C3 has an integral switch and complies with the essential requirements of the following standards (a): IEC/EN 60309-1, IEC/EN 60309-4 and IEC/EN 60947-3.

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)	≤ 500	≤ 500
(d) Number of contacts	6P+E	6P+E
(e) Number of keying positions	5	4
Connection (min - max): mm ²		
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 ²		
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

U_{max}	50 A	100 A
	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

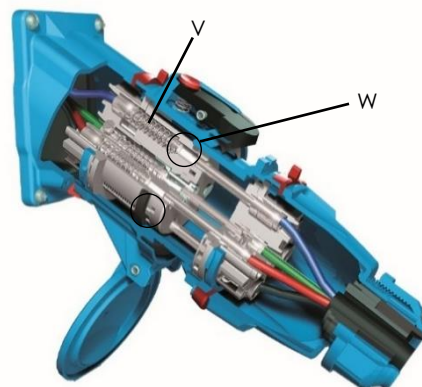
Mechanical 2 000 2 000

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

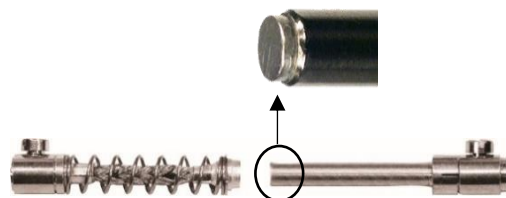
Mechanical features

(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

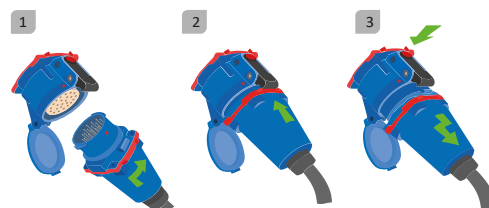
W : Arc chamber



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	
	Metal enclosure
	Insulating enclosure
Protection against UV (according to UL 746C or equivalent)	
	Metal enclosure
	Insulating enclosure
Salt mist resistance	
	Metal enclosure
	Insulating enclosure
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 (°)	30/70	30/70
Metal sleeve: angle (°)	0/30/70	0/30/70
Poly box: angle (°)	30	30
Metal box: angle (°)	20	20
Poly box + poly sleeve: angle (°)	70	70
Metal box + poly sleeve: angle (°)	30	30
Metal box + metal sleeve: angle (°)	0/30/70	0/30/70
Poly straight handle with built-in cable gland: range take (mm)	13 - 35	13 - 35
Threaded poly straight handle	M32 - M50	M32 - M50
Threaded metal straight handle	M25 - M50	M25 - M50
Poly straight handle + separated poly cable gland: range take (mm)	14 - 38	14 - 38
Metal straight handle + separated metal cable gland: range take (mm)	8 - 44	8 - 44

Spare parts

Inlet or socket-outlet interior moulding	✓	✓
Inlet or socket-outlet contacts	✓	✓
Inlet or socket-outlet casing	✓	✓
Gaskets	✓	✓

[Catalog: Web link](#)

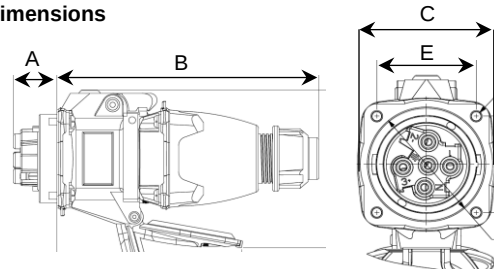
DS7C3 DS7C6

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



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.