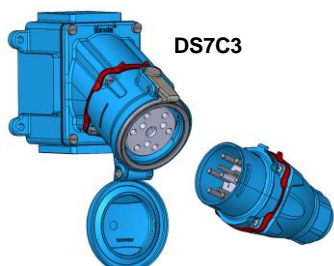


DS7C MULTICONTACT is a compact and reliable multipins connector for industrial purposes and especially for two-speed motors with star-delta starters.

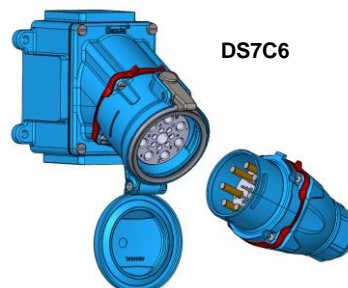
DS7C MULTICONTACT complies with the following regulations (a) :  
European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

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).

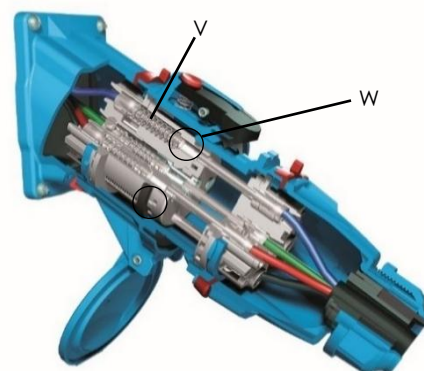


DS7C3



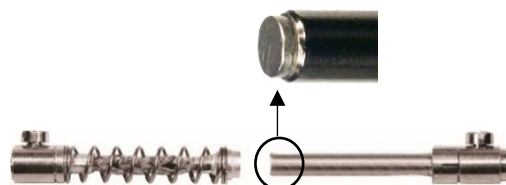
DS7C6

General information		DS7C3	DS7C6
(b)	$I_n$	50 A	100 A
	$U_{max}$ (V AC/V DC)	500/750 V	500/750 V
(c)	Frequency max. (Hz)	500 Hz	500 Hz
(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 (Nm)	1.8 N.m	4 N.m
	Wiring lugs	Option	Option
Auxiliaries contacts			
	$I_n$ (A)	10 A	10 A
	$U_{max}$ (V AC / V DC)	400 V	500 V
	Number of auxiliaries / pilots contacts	3	6
	Connection (min - max): mm <sup>2</sup>		
	Flexible wiring	2.5 - 6	2
	Rigid/stranded conductors	2.5 - 10	2
	Tightening torque (Nm)	1.8 N.m	Pre-wired
Emploi comme connecteur selon IEC/EN 61984: $I_n$		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	
Other breaking as switch according to IEC/EN 60947-3			
	Category AC-22A : $I_n$ (A) - $U_{max}$ (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)	Watertightness : connected device		
	Metal enclosure	IP66/IP67	IP66/IP67
	Insulating enclosure	IP66/IP67	IP66/IP67
(f)	Watertightness: lid/cap closed		
	Metal enclosure	IP66/IP67	IP66/IP67
	Insulating enclosure	IP66/IP67	IP66/IP67
(f)	Watertightness : socket-outlet with lid/cap opened	IP4X	IP2X
(g)	IK		
	Metal enclosure	IK10	IK10
	Insulating enclosure	IK09	IK09



V : Contact spring

W : Arc chamber



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

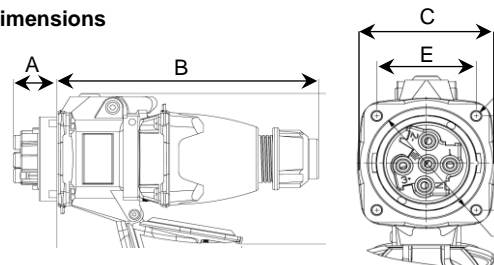


Spring assisted terminal:  
Stainless steel ring

Mechanical features		DS7C3	DS7C6
	Retaining/releasing device	Red release button	
	Casing		
(h)		Metallic	Copper free aluminum
		Insulating	GRP (poly)
		Standard color	MARECHAL® Blue
		Other colors	On request
	Vibrations resistance	✓	✓
	Resistance to chemical agents		
		Metal enclosure	✓
		Insulating enclosure	✓
	Protection against UV (according to UL 746C or equivalent)	Contact us	
		Metal enclosure	NA
		Insulating enclosure	f1
	Salt mist resistance		
		Metal enclosure	Contact us
		Insulating enclosure	> 50 000 h
	Screws and bolts	Stainless steel	
	Weight of inlet without accessory (≈)	0.7 kg	0.8 kg
	Weight of socket-outlet without accessory (≈)	1.3 kg	1.3 kg
Main options			
	Socket-outlet opening up to 180°	Included	
	Self-returning lid	IP40	IP40
	Inlet cap	IP66/IP67	IP66/IP67
	Self-returning inlet lid	IP55	IP55
	Locking / padlocking	✓	✓
	Automatic self-ejection	✓	
	Larger release button ( "STOP" )	✓	✓
	Finger draw plates	✓	Included
(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		Click !	Click !



Dimensions

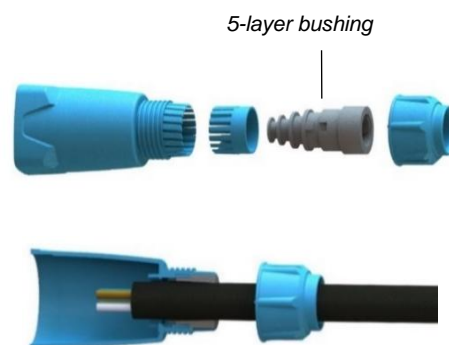


	DS7C3 DS7C6	
mm	GRP	Metal
A	25	25
B	207	241
C	98	98
E	66	66



Locking pin for 2 padlocks

Poly straight handle with built-in cable gland



- (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