

DSN MULTICONTACT is a compact and reliable multipins connector for industrial purposes.

DSN MULTICONTACT complies with the essential requirements of the following regulations (a): European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation, standards IEC/EN 61984, UL 2238 (USA).

DSN MULTICONTACT is certified by the following certification bodies: TR CU (Russia), Bureau Veritas Marine, Intertek-RETIE (Colombia), UL (USA).



DSN12C

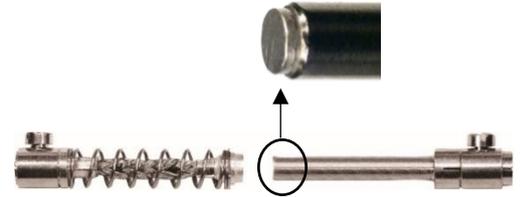


DSN24C



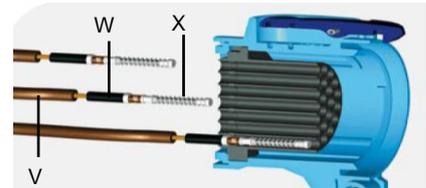
DSN37C

General information		DSN12C	DSN24C	DSN37C
(b)	I_n	16 A	16 A	16 A
(c)	ΣI_n	≤ 110 A	≤ 230 A	≤ 360 A
	U_{max} (V AC / V DC)	480/600 V	480/600 V	480/600 V
(d)	Frequency max. (Hz)	500 Hz	500 Hz	500 Hz
(e; f)	Number of contacts	12	24	37
(g)	Number of keying positions	1	1	3
	Connection (min - max): mm ²			
	Flexible conductors (Cu): main contacts	≤ 2.5	≤ 2.5	≤ 2.5
	Rigid/stranded conductors (Cu): main contacts	≤ 2.5	≤ 2.5	≤ 2.5
	Tightening torque - main contacts (Nm)	To crimp or to weld		
	Wiring lugs	✓	✓	✓
Emploi comme connecteur selon IEC/EN 61984: I_n		16 A	16 A	16 A
	U_{max}	480 V AC	480 V AC	480 V AC
		600 V DC	600 V DC	600 V DC
Number of operations				
	Mechanical	5 000	5 000	5 000
Thermal features				
	Temperature of use mini/maxi (°C)	-40/+60°C	-40/+60°C	-40/+60°C
	Storage temperature mini/max: (°C)	-40/+80 °C	-40/+80 °C	-40/+80 °C
	Maximal temperature rise (Kmax)	38 K	55 K	37 K
	Time constant (to reach 63 % of Kmax)	15 mn	15 mn	15 mn
Mechanical features				
(h)	Watertightness : connected device	IP66/IP67/ IP69	IP66/IP67	IP66/IP67
(h)	Watertightness: lid/cap closed	IP66/IP67/ IP69	IP66/IP67	IP66/IP67
(h)	Watertightness : socket-outlet with lid/cap opened	IP2X	IP2X	IP2X
(i)	IK	IK09	IK09	IK09
	Retaining/releasing device	Red release button		
(f)	Casing	GRP (poly)		
	Standard color	MARECHAL® Blue		
	Other colors	On request		
	Vibrations resistance	✓	✓	✓
	Resistance to chemical agents	Contact us		
	Protection against UV (according to UL 746C or equivalent)	f1	f1	f1
	Salt mist resistance	> 50 000 h	> 50 000 h	> 50 000 h
	Screws and bolts	Stainless steel		
	Weight of inlet without accessory (≈)	0.1 kg	0.3 kg	0.4 kg
	Weight of socket-outlet without accessory (≈)	0.2 kg	0.3 kg	0.5 kg



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

Crimping contacts



V : isolated conductor

W : isolation sleeve on ferrule

X : socket-outlet contact

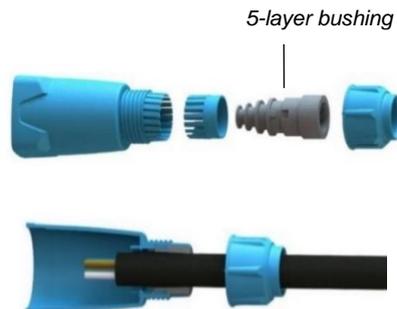


Main options	DSN12C	DSN24C	DSN37C
Socket-outlet opening up to 180°	Included	Included	Included
Self-returning lid	IP40	IP40	IP40
Inlet cap	IP66/IP67	IP66/IP67	IP66/IP67
Locking / padlocking	✓	✓	✓
Larger release button ("STOP")	✓	✓	✓
Finger draw plates	✓	✓	✓
Mounting accessories			
Poly sleeve: angle (°)	30/70	30/70	30/70
Metal sleeve: angle (°)	0/30/70	0/30	0/30/70
Poly box: angle (°)	30	30	30
Poly box + poly sleeve: angle (°)	70	70	70
Metal box + poly sleeve: angle (°)	30	30	30
Metal box + metal sleeve: angle (°)	0/30	0/30	0/30/70
Poly straight handle with built-in cable gland: range	5 - 21	5 - 21	10 - 30
Threaded poly straight handle	M20 - M32	M20 - M40	M20 - M40
Threaded metal straight handle		M20 - M32	M20 - M40
Poly straight handle + separated poly cable gland: range take (mm)	5 - 25	5 - 32	9 - 32
Metal straight handle + separated metal cable gland: range take (mm)		7 - 23	7 - 32
Spare parts			
Inlet or socket-outlet interior moulding	✓	✓	✓
Inlet or socket-outlet contacts	✓	✓	✓
Inlet or socket-outlet casing	✓	✓	✓
Gaskets	✓	✓	✓
Catalog: Web link			
	Click !	Click !	Click !



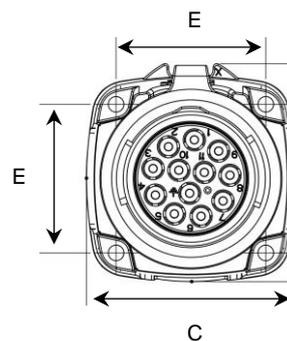
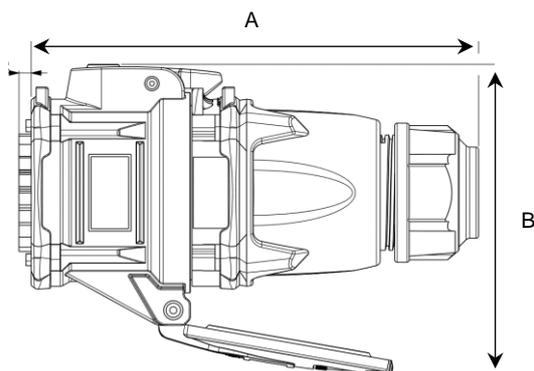
Locking pin for 2 padlocks

Poly straight handle with built-in cable gland



5-layer bushing

Dimensions



mm	DSN12C	DSN24C	DSN37C
A	147	171	184
B	134	171	195
C	58	77	84
E	42	48	55

- (a) European Regulation REACH: registration, evaluation, authorisation and restriction of chemicals IEC/EN 61984 : "Connectors – Safety requirements and tests"
- (b) In : Rated current as defined by the manufacturer
- (c) Σ In (A) : sum of current circulating in the contacts
- (d) Other frequency: contact us
- (e) Contacts with silver-nickel tips (Ag/Ni 85/15)
- (f) The contacts can be used either for power or signal
- (g) Number of voltage / frequency / grid, keying positions
- (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)
- (j) GRP : Glass-reinforced technical plastic
- (k) Each DSN12C, DSN24C and DSN37C is supplied with respectively one, two and three bags of 13 contacts with insulation sleeve and ferrule