

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.

DSN MULTICONTACT is certified by the following certification bodies:
TR CU (Russia), Bureau Veritas Marine.



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	480/600	480/600
(d) Frequency (Hz)	≤ 500	≤ 500	≤ 500
(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	To crimp or to weld		
Wiring lugs	✓	✓	✓

Used as connector according to IEC/EN 61984: In

	DSN12C	DSN24C	DSN37C
I_n	16	16	16
U_{max} AC	480 V AC	480 V AC	480 V AC
U_{max} DC	600 V DC	600 V DC	600 V DC

Number of operations

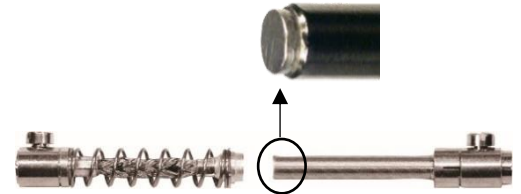
	DSN12C	DSN24C	DSN37C
Mechanical	5 000	5 000	5 000

Thermal features

	DSN12C	DSN24C	DSN37C
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

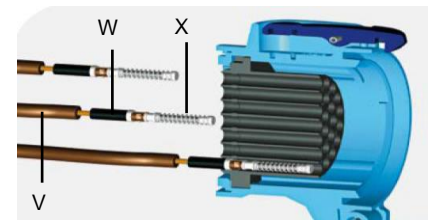
Mechanical features

	DSN12C	DSN24C	DSN37C
(h) IP: connected device	IP66/IP67/ IP69	IP66/IP67	IP66/IP67
(h) IP: lid/cap closed	IP66/IP67/ IP69	IP66/IP67	IP66/IP67
(h) IP: socket-outlet with lid/cap opened	IP2X	IP2X	IP2X
(i) IK	IK09	IK09	IK09
Retaining/releasing device		Red release button	
(i) 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)

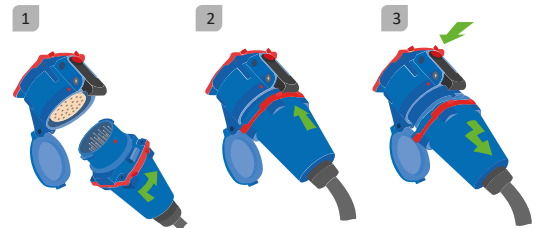
Crimping contacts



V : isolated conductor

W : isolation sleeve on ferrule

X : socket-outlet contact



Main options

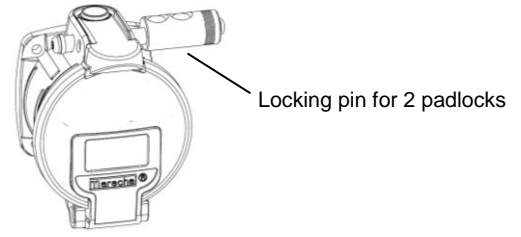
	DSN12C	DSN24C	DSN37C
Socket-outlet opening up to 180°	Included	Included	Included
Self-returning lid	IP40	IP40	IP40
Inlet cap	IP66/IP67	IP66/IP67	IP66/IP67
Locking / padlocking	✓	✓	✓
Larger release button ("STOP")	✓	✓	✓
Finger draw plates	✓	✓	✓

Mounting accessories

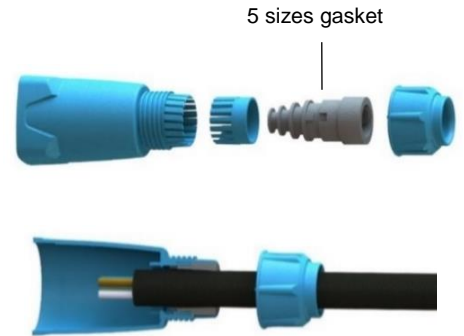
	DSN12C	DSN24C	DSN37C
Poly sleeve: angle (°)	30/70	30/70	30/70
Metal sleeve: angle (°)	0/30/70	0/30	0/30/70
Poly box: angle (°)	30	30	30
Poly box + poly sleeve: angle (°)	20	20	20
Metal box + poly sleeve: angle (°)	70	70	70
Metal box + metal sleeve: angle (°)	30	30	30
Poly straight handle with built-in cable gland: range take (mm)	0/30	0/30	0/30/70
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

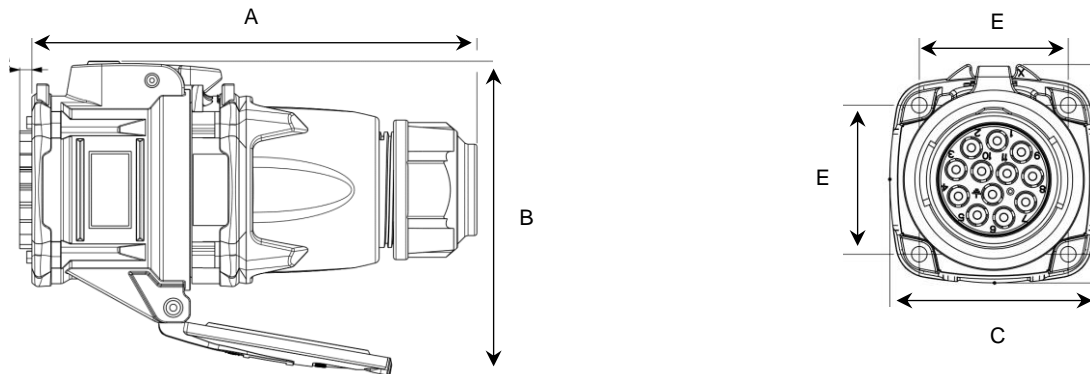
Inlet or socket-outlet interior moulding	✓	✓	✓
^(k) Inlet or socket-outlet contacts	✓	✓	✓
Inlet or socket-outlet casing	✓	✓	✓
Gaskets	✓	✓	✓
Catalog: Web link	Click !	Click !	Click !



Poly straight handle with built-in cable gland



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