

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

DN 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, CSA C22.2 N° 182.1 (Canada).

DN MULTICONTACT is certified by the following certification bodies:
CSA (Canada), TR CU (Russia)

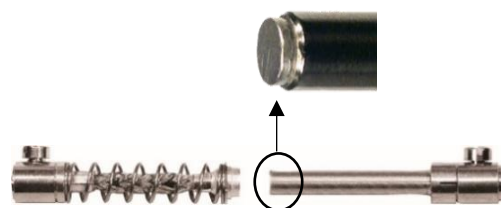


DN9C

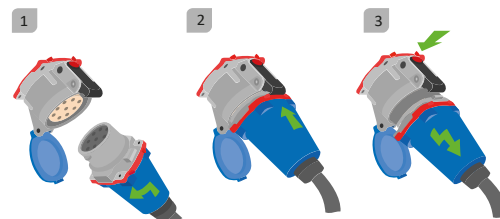


DN20C

General information		DN9C	DN20C
(b)	I_n	30 A	25 A
(c)	ΣI_n	≤ 210 A	≤ 350 A
	U_{max} (V AC/V DC)	415/600 V	415/600 V
(d)	Frequency max. (Hz)	500 Hz	500 Hz
(e, f)	Number of contacts	9	20
(g)	Number of keying positions	2	4
	Connection (min - max): mm ²		
	Flexible conductors (Cu): main contacts	1 - 6	1 - 6
	Rigid/stranded conductors (Cu): main contacts	1.5 - 10	1.5 - 10
	Tightening torque - main contacts (Nm)	0.5 N.m	0.5 N.m
	Wiring lugs	Option	Option
Emploi comme connecteur selon IEC/EN 61984: In		30 A	25 A
	U_{max}	415 V AC	415 V AC
		600 V DC	600 V DC
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)	32 K	60 K
Mechanical features			
(h)	Watertightness : connected device	IP54	IP54
(h)	Watertightness: lid/cap closed	IP55	IP55
(h)	Watertightness : socket-outlet with lid/cap opened	IP2X	IP2X
(i)	IK	IK09	IK09
	Retaining/releasing device	Release button	
	Casing	Aluminium/Alloy	
	Standard color	MARECHAL® Blue	
	Other colors	On request	
	Vibrations resistance		
	Resistance to chemical agents	✓	✓
	Protection against UV (according to UL 746C or equivalent)	NA	NA
	Salt mist resistance	Contact us	
	Screws and bolts	Stainless steel	
	Weight of inlet without accessory (≈)	0.6 kg	1.3 kg
	Weight of socket-outlet without accessory (≈)	0.4 kg	1.5 kg



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



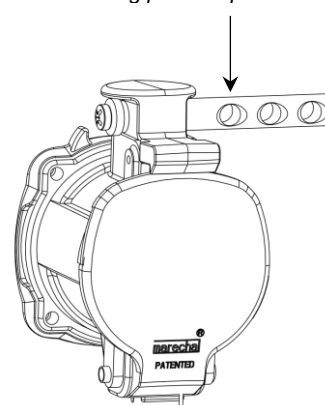
Main options	DN9C	DN20C
Socket-outlet opening up to 180°	✓	✓
Self-returning lid	IP40	IP40
Inlet cap	IP4X	IP4X
Locking / padlocking	✓	✓
Larger release button ("STOP")	✓	✓
Operating lever		✓
(i) Electromagnetic compatibility (EMC)	✓	✓
IP66/IP67 : inlet or outlet	✓	✓

Main options		
Poly sleeve: angle (°)	30/70	30
Metal sleeve: angle (°)	0/30/70	0/30/70
Poly box: angle (°)	30	
Metal box: angle (°)	20	
Poly box + poly sleeve: angle (°)	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)	10 - 30	
Elastomer straight handle with built-in cable gland: range take (mm)		18 - 49
Threaded poly straight handle	M20 - M40	M50 - M63
Threaded metal straight handle	M20 - M40	M32 - M63
Poly straight handle + separated poly cable gland: range take (mm)	9 - 32	15 - 48
Metal straight handle + separated metal cable gland: range take (mm)	7 - 32	15 - 48

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

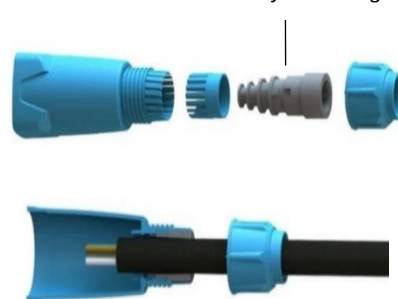
Main options	Click !	Click !
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Locking pin for 3 padlocks

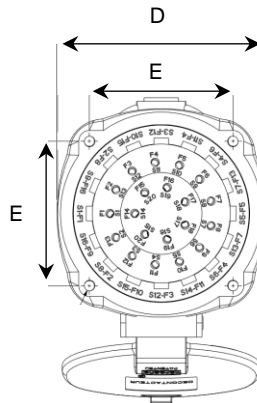
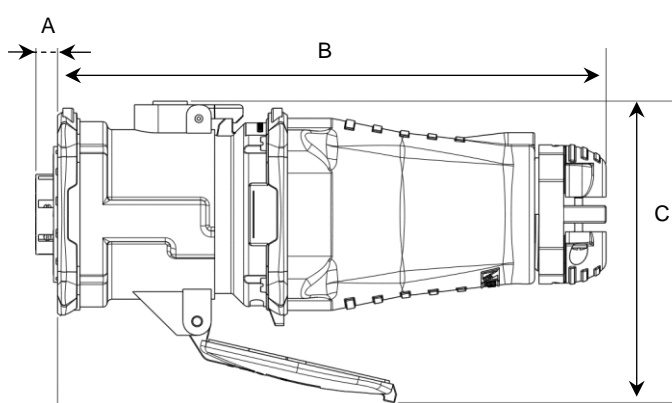


Poly straight handle with built-in cable gland

5-layer bushing



Dimensions



mm	DN9C	DN20C
A	17	12
B	184	311
C	140	173
D	80	118
E	55	81

(a) European Regulation REACH: registration, evaluation, authorisation and restriction of chemicals
IEC/EN 61984 : "Connectors – Safety requirements and tests"
CSA C22,2 No 182,1-07 : "Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type"

(b) In : Rated current as defined by the manufacturer

(c) ΣI_n (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) Suitable for EMC environments: use of metallic housings and accessories, and cable gland with shielding recovery