

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

PN 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 1682 & UL 2238 (USA), CSA C22.2 N° 182.1 (Canada).

PN MULTICONTACT is certified by the following certification bodies:

\* PN7C: UL (USA), CSA (Canada), TR CU (Russia), Intertek-RETIE (Colombia),

\* PN12C: TR CU (Russia), Intertek-RETIE (Colombia), UL (USA).

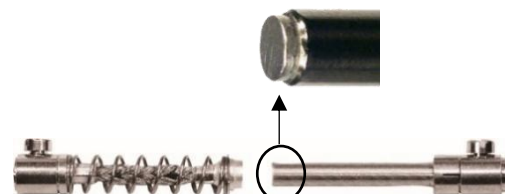


PN7



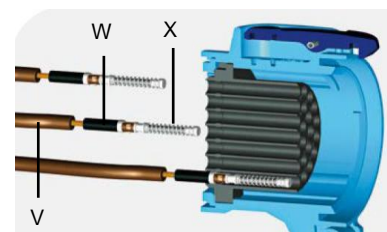
PN12C

General information		PN7C	PN12C
(b)	$I_n$	25 A	16 A
(c)	$\Sigma I_n$	$\leq 130$ A	$\leq 110$ A
	$U_{max}$ (V AC/V DC)	500/750 V	480/750 V
(d)	Frequency max. (Hz)	500 Hz	500 Hz
(e; f)	Number of contacts	7	12
(g)	Number of keying positions	5	2
	Connection (min - max): mm <sup>2</sup>		
	Flexible conductors (Cu): main contacts	1 - 4	1 - 2.5
	Rigid/stranded conductors (Cu): main contacts	1 - 6	1 - 4
	Tightening torque - main contacts (Nm)	0.6 N.m	To crimp or to weld
	Wiring lugs	Option	✓
Emploi comme connecteur selon IEC/EN 61984: In		25 A	16 A
	Metal enclosure : $U_{max}$	480 V AC	480 V AC
		600 V DC	750 V DC
	Insulating enclosure : $U_{max}$	500 V AC	480 V AC
		750 V DC	750 V DC
Number of operations			
	Mechanical	5 000	5 000
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)	45 K	38 K
	Time constant (to reach 63 % of Kmax)	15 mn	15 mn
Mechanical features			
(h)	Watertightness : connected device		
	Metal enclosure	IP66/IP67	IP66/IP67
	Insulating enclosure	IP66/IP67	IP66/IP67
(h)	Watertightness: lid/cap closed		
	Metal enclosure	IP66/IP67	IP66/IP67
	Insulating enclosure	IP66/IP67	IP66/IP67
(h)	Watertightness : socket-outlet with lid/cap opened	IP2X	IP2X
(i)	IK		
	Metal enclosure	IK09	IK09
	Insulating enclosure	IK09	IK09
	Retaining/releasing device	Rotation	Rotation



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

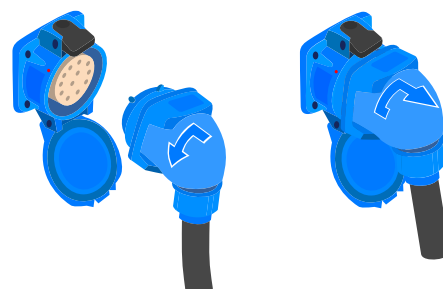
PN12C : Crimping contacts



V : isolated conductor

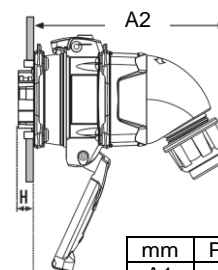
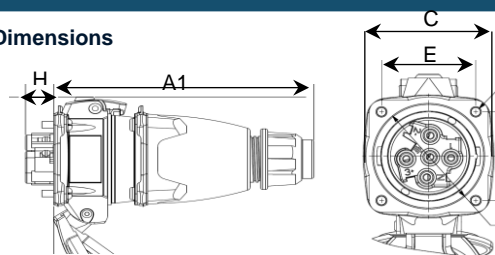
X : socket-outlet contact

W : isolation sleeve on ferrule

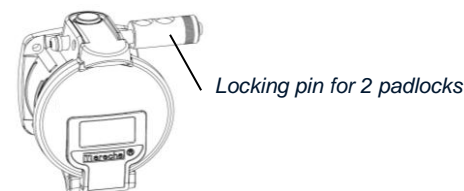


Mechanical features		PN7C	PN12C
(i)	Casing		
	Metallic	Aluminium/ Alloy	Aluminium alloy or stainless
	Insulating	GRP (poly)	
	Standard color	MARECHAL® Blue	
	Other colors	On request	
	Vibrations resistance		✓
	Resistance to chemical agents		
	Metal enclosure	✓	✓
	Insulating enclosure	Contact us	
	Protection against UV (according to UL 746C or equivalent)		
	Metal enclosure	NA	NA
	Insulating enclosure	f1	f1
	Salt mist resistance		
	Metal enclosure	Contact us	
	Insulating enclosure	> 50 000 h	
	Screws and bolts	Stainless steel	
	Weight of inlet without accessory (≈)	0.2 kg	0.2 kg
	Weight of socket-outlet without accessory (≈)	0.3 kg	0.3 kg
Main options			
	Socket-outlet opening up to 180°	✓	✓
	Self-returning lid	IP40	IP40
	Inlet cap	IP66/IP67	IP66/IP67
	Locking / padlocking	✓	✓
	Screw locking	✓	✓
(k)	Electromagnetic compatibility (EMC)	✓	✓
Mounting accessories			
	Poly sleeve: angle (°)	30/70	30/70
	Metal sleeve: angle (°)	0/30/45	0/30/45
	Poly box: angle (°)	30	30
	Poly box + poly sleeve: angle (°)	70	70
	Metal box + poly sleeve: angle (°)	30	30
	Metal box + metal sleeve: angle (°)	45	45
	Poly straight handle with built-in cable gland: range take (mm)	5 - 21	5 - 21
	Threaded poly straight handle	M20 - M32	M20 - M32
	Threaded metal straight handle	M20 - M32	M20 - M32
	Poly 60° handle with built-in cable gland: range take (mm)	9 - 18	9 - 18
	Poly straight handle + separated poly cable gland: range take (mm)	5 - 25	5 - 25
	Metal straight handle + separated metal cable gland: range take (mm)	7 - 24	7 - 24
Spare parts			
	Inlet or socket-outlet interior moulding	✓	✓
(l)	Inlet or socket-outlet contacts	✓	✓
	Inlet or socket-outlet casing	✓	✓
	Gaskets	✓	✓
Catalog: Web link		Click !	Click !

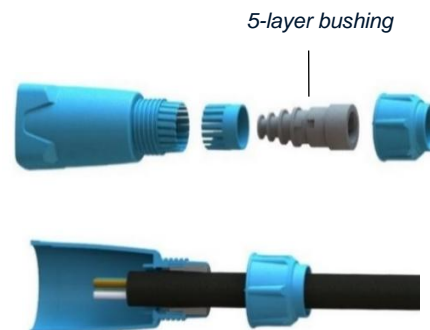
**Dimensions**



mm	PN7C / PN12C
A1	127
A2	117
C	61
E	42
H	14



**Poly straight handle with built-in cable gland**



(a) European Regulation REACH: registration, evaluation, authorisation and restriction of chemicals  
IEC/EN 61984 : "Connectors – Safety requirements and tests"  
UL 1682 : "Plugs, Receptacles, and Cable Connectors of the Pin and Sleeve Type"  
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)  $\Sigma I_n$  (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) GRP : Glass-reinforced technical plastic

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

(l) Each PN12C is supplied with a bag of 13 contacts with insulation sleeve and ferrule