

PXN12C DXN25C DXN37C

MULTI-CONTACT CONNECTORS 10 A

- ▶  II 2 G D Ex e ia or ib IIC
- ▶ FROM 12 TO 37 CONTACTS
- ▶ LOCKING IN CONNECTED OR DISCONNECTED POSITION
- ▶ CORROSION-FREE METAL CASING

■ TECHNICAL FEATURES

	PXN12C	DXN25C	DXN37C
Rated current (In)	10 A	10 A	10 A
Umax	220 V	440 V	230 V
Number of contacts	11P+E	24P+E	36P+E
IP protection lid closed	IP65/IP66	IP66/IP67	IP66/IP67
IP protection connected plug	IP65/IP66	IP66/IP67	IP66/IP67
Shock resistance	IK09 for all Multicontact connectors		
Ambient temperature	-40 °C to +55 °C	-40 °C to +60 °C	-40 °C to +55 °C
Protection mode	«e» for all Multicontact connectors		
ATEX zones	Zones 1 & 2 (gas) Zones 21 & 22 (dusts) - for all Multicontact connectors		

■ STANDARDS ASPECTS

PXN12C, DXN25C and DXN37C comply with:

- The ATEX 94/9/CE Directive,
- IEC EN 60079-0, IEC EN 60079-7 and IEC EN 60079-31 International standards
- The French NF C 15-100 standard,
- The decrees relating to workers' protection in Belgium, Spain and Italy,

Also certified by VERITAS LCIE and TR CU (GOST) (French and Russian European and international notified bodies).





SPECIFICATION

Multicontact connectors IP65/IP66 with increased safety «e» for hazardous areas (ATEX), comply with BECMA international standard.



PXN12C

METAL MULTI-CONTACT CONNECTORS

10 A
IP65/IP66

MAIN FEATURES

Rated current (with wiring according to standard)	10 A	Ambient temperature	-40 °C to +55 °C
Maximum voltage	220 V	Flexible wiring (min-max)	1 - 2,5 mm ²
Number of contacts	11P+E	Wiring	crimping
IP protection lid closed	IP65/IP66	Protection mode	e + i
IP protection connected plug	IP65/IP66	ATEX zones	1 & 2, 21 & 22
Shock resistance	IK09	Keying positions	2

CONNECTION OR
DISCONNECTION
SCREW LOCKING
IMPRINT BTR 2.5.

**WALL MOUNTING
SOCKET** female
PXN12c (10 A)



PLUG male
PXN12c (10 A)



Ex cable gland	Part no.	Ex cable gland	Part no.
M25	06A000125M 9-16 mm	M25	06A100125M 9-16 mm
M32	06A0001 12-21 mm	M32	06A1001 12-21 mm

**INCLINED
SOCKET** female
PXN12c (10 A)



**INCLINED
APPLIANCE INLET**
male **PXN12c (10 A)**



Part no.	Part no.
06A7001	06A9001

ACCESSORIES & OPTIONS

Inlet cap	06NA126
Crimping tool	61CA500
Helavia sleeve expansion tool	61CA400

MARECHAL ELECTRIC MAROMME

Ex II 2 G D Ex e IIC Gb tb IIC Db

-40 °C ≤ Ta ≤ +55 °C T5 T69 °C

Ex ia or ib IIC T6 Gb

IECEx LCIE 14.0041X / LCIE 07 ATEX 6070X

COUPLER SOCKET
female
PXN12c (10 A)



**WALL MOUNTING
APPLIANCE INLET**
male **PXN12c (10 A)**



Ex cable gland	Part no.	Ex cable gland	Part no.
M25	06A300125M 9-16 mm	M25	06A600125M 9-16 mm
M32	06A3001 12-21 mm	M32	06A6001 12-21 mm

Each product is supplied with 1 bag of 13 contacts depending on the maximum configuration. This allows you to set up the product to suit your needs.

BAG OF 13 CONTACTS (SUPPLIED WITH INSULATION SLEEVES AND FERRULES)

Female socket-outlet Part Number	01AA213
Male inlet Part Number	01AA113



MAIN FEATURES

Rated current (with wiring according to standard)	10 A	Ambient temperature	-40 °C to +60 °C
Maximum voltage	440 V	Flexible wiring (min-max)	1 - 2,5 mm ²
Number of contacts	24P+E	Wiring	crimped
IP protection lid closed	IP66/IP67	Protection mode	e + i
IP protection connected plug	IP66/IP67	ATEX zones	1 & 2, 21 & 22
Shock resistance	IK09	Keying positions	3

LOCKING POSITION CONNECTED
OR DISCONNECTED BY
LOCKABLE SHAFT.

**WALL MOUNTING
SOCKET** female
DXN25c (10 A)



PLUG male
DXN25c (10 A)



Ex cable gland	Part no.	Ex cable gland	Part no.
M32	36D000232M 12-21 mm	M32	36D100232M 12-21 mm
M40	36D0002 16-27 mm	M40	36D1002 16-27 mm

With padlocking shaft (padlock not included)

**INCLINED
SOCKET** female
DXN25c (10 A)



**INCLINED
APPLIANCE INLET**
male **DXN25c (10 A)**



Part no.	Part no.
36D7002	36D9002

With padlocking shaft (padlock not included)

ACCESSORIES & OPTIONS

Crimping tool	61CA500
Helavia sleeve expansion tool	61CA400

**COUPLER
SOCKET** female
DXN25c (10 A)



**WALL MOUNTING
APPLIANCE INLET**
male **DXN25c (10 A)**



Ex cable gland	Part no.	Ex cable gland	Part no.
M32	36D300232M 12-21 mm	M32	36D600232M 12-21 mm
M40	36D3002 16-27 mm	M40	36D6002 16-27 mm

With padlocking shaft (padlock not included)

Each product is supplied with 2 bags of 13 contacts depending on the maximum configuration. This allows you to set up the product to suit your needs.

BAG OF 13 CONTACTS (SUPPLIED WITH INSULATION SLEEVES AND FERRULES)

Female socket-outlet Part Number	01AA213
Male inlet Part Number	61CA113

MARECHAL ELECTRIC MAROMME

 II 2 G D Ex e IIC GbTb IIIC Db
-40 °C ≤ Ta ≤ +40 °C T6 T51 °C
-40 °C ≤ Ta ≤ +60 °C T5 T71 °C
Ex ia und ib IIC T6 Gb



MULTI

DXN37C

METAL MULTI-CONTACT CONNECTORS

10 A
IP66/IP67

TYPICAL CONFIGURATION

**WALL MOUNTING SOCKET DXN37c****PLUG DXN37c****Wall mounting socket**
36C0003**Plug**
36C1003

MAIN FEATURES

Rated current (with wiring according to standard)	10 A	Ambient temperature	-40 °C to +55 °C
Maximum voltage	230 V	Flexible wiring (min-max)	1 - 2,5 mm ²
Number of contacts	36P+E	Wiring	crimping
IP protection lid closed	IP66/IP67	Protection mode	e + i
IP protection connected plug	IP66/IP67	ATEX zones	1 & 2, 21 & 22
Shock resistance	IK09	Keying positions	3

LOCKING POSITION CONNECTED
OR DISCONNECTED BY
LOCKABLE SHAFT.**WALL MOUNTING
SOCKET** female
DXN37c (10 A)**PLUG** male
DXN37c (10 A)

Ex cable gland	Part no.		Ex cable gland	Part no.
M32	36C000332M	12-21 mm	M32	36C100332M 12-21 mm
M40	36C0003	16-27 mm	M40	36C1003 16-27 mm

With padlocking shaft (padlock not included)

**INCLINED
SOCKET** female
DXN37c (10 A)**INCLINED
APPLIANCE INLET** male
DXN37c (10 A)

Part no.	Part no.
36C7003	36C9003

With padlocking shaft (padlock not included)

ACCESSORIES & OPTIONS

Crimping tool	61CA500
Helavia sleeve expansion tool	61CA400

**COUPLER
SOCKET** female
DXN37c (10 A)**WALL MOUNTING
APPLIANCE INLET** male
DXN37c (10 A)

Ex cable gland	Part no.		Ex cable gland	Part no.
M32	36C300332M	12-21 mm	M32	36C600332M 12-21 mm
M40	36C3003	16-27 mm	M40	36C6003 16-27 mm

With padlocking shaft (padlock not included)

Each product is supplied with 3 bags of 13 contacts depending on the maximum configuration.
This allows you to set up the product to suit your needs.

BAG OF 13 CONTACTS (SUPPLIED WITH INSULATION SLEEVES AND FERRULES)

Female socket-outlet Part Number	01AA213
Male inlet Part Number	61CA113

MARECHAL ELECTRIC MAROMME

Ex II 2 G D Ex e IIC Gbtb IIIC Db

-40 °C ≤ Ta ≤ +40 °C T6 T56 °C

-40 °C ≤ Ta ≤ +55 °C T5 T76 °C

Ex ia und ib IIC T6 Gb

SPeX

SINGLE POLE POWER CONNECTOR 680 A

- ▶  II2 G D Ex e IIC
- ▶ IP65/IP66 WATER- AND DUST-TIGHT
- ▶ ELECTROMECHANICAL INTERLOCKING SYSTEM
- ▶ MECHANIC AND VISUAL KEYING

The highest possible safety

- Reliable mechanical and electrical interlocking,
- IP2X socket-outlet when cap removed,
- Automatic IP65/IP66 when plug is connected.

An simple-to-use connector

- Straight insertion of the plug into the socket-outlet,
- Different mechanical keying for L1, L2, L3, N and E, positive and negative (d.c.)
- Visual identification by standard colours,

Performances

With 240 mm² wiring, the SPeX accepts a permanent current up to 570 A / 1000 V a.c. with T5 ATEX classification at 40 °C ambient temperature.

SPeX ATEX classification according to cable cross-section and Ta (ambient Temperature)

	-20°C ≤ Ta ≤ +40°C	-20°C ≤ Ta ≤ +40°C	-20°C ≤ Ta ≤ +60°C
	G D	G D	G D
	T5 / T56°C	T6 / T56°C	T5 / T76°C
70 mm ²	290 A	235 A	235 A
95 mm ²	415 A	335 A	335 A
120 mm ²	456 A	376 A	376 A
150 mm ²	493 A	415 A	415 A
185 mm ²	530 A	450 A	450 A
240 mm ²	570 A	497 A	497 A
300 mm ²	620 A	540 A	540 A
400 mm ²	680 A	600 A	600 A

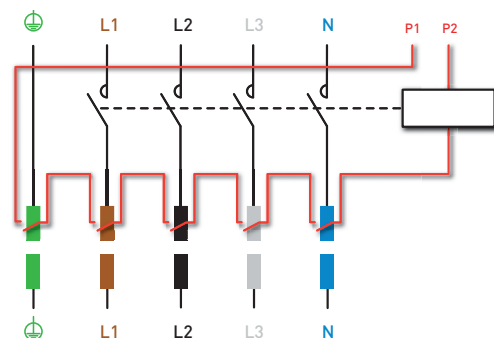


Energy distribution system with separate connection of contacts

The pilot contact breaks the circuit in conformity with ATEX Directive (increased safety "e").

The breaking system is not supplied

Pilot wiring is mandatory to break and make on load





SPECIFICATION

IP65/IP66 single pole power connector with increased safety «e» for hazardous areas (ATEX), comply with BECMA international standard.



MAIN FEATURES

Rated current	according to category and cable	Ambient temperature	see table
Maximum voltage a.c.	1000 V	Wiring (min - max)	see table
Maximum voltage d.c.	1500 V	Keying position	mechanical (5) and visual
Short-circuit current I _{cc}	20 kA during 250 ms	Protection mode	e
IP protection - lid closed	IP65/IP66	ATEX zones	1 & 2, 21 & 22
IP protection - connected plug	IP65/IP66	Number of operations	2000
Shock resistance	IK08	Pre-wired pilot circuit	6 A / 250 V

SOCKET-OUTLET female
SPeX (680 A)
without lug



INLET male
SPeX (680 A)
without lug



Type	European color coding*	Part no.	Part no. 17 to 24 mm	Part no. 17 to 31 mm	Part no. 24,5 to 37 mm	Part no. 34 to 47 mm
L1	Brown	4647001	464100132P	464100140P	464100150P	464100163P
L2	Black	4647002	464100232P	464100240P	464100250P	464100263P
L3	Grey	4647003	464100332P	464100340P	464100350P	464100363P
Neutral	Blue	464700N	464100N32P	464100N40P	464100N50P	464100N63P
Earth	Green	464700T	464100T32P	464100T40P	464100T50P	464100T63P
Positive	Red	464700P	464100P32P	464100P40P	464100P50P	464100P63P
Negative	Black	464700M	464100M32P	464100M40P	464100M50P	464100M63P

* Part-numbers valid for Europe and Japan.

For other countries, replace the prefix 46 by : 42 for the USA / 43 for Australia / 44 for UK and South-Africa.

LUGS

Lug choice depends on the cable: the cross-section of the flexible cable mentioned in the table below is for information only. Please check dimensions as these may vary according to cable types and manufacturers.



Wiring (mm²)		Straight with hole	Straight threaded M12*	Internal diameter (mm)
Flexible	Stranded	Part no.	Part no.	
50	70	454A50C	454A50D	11
70	95	454A70C	454A70D	13,1
95	120	454A95C	454A95D	14,5
120	150	454A12C	454A12D	16,2
150	185	454A15C	454A15D	18
185	240	454A18C	454A18D	20,6
240	300	454A24C	454A24D	23,1
300	400	454A30C	454A30D	26,1
400	500	454A40C	454A40D	29,2

* Wiring with crimping lugs, according to NF C20-130 standard (for VDE 0220 standard, please contact us) **Crimping:** Double hexagonal crimping is recommended.

MARECHAL ELECTRIC MAROMME

Ex II 2 G D Ex e IIC Gb Ex tb IIIC Db

IECEx LCI 12.0005X / LCIE 07 ATEX 6073 X