3PV / 3PX

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PROCONECT®

INTRODUCTION

De par leur conception robuste, nos connecteurs 3PV et 3PX trouvent leur place dans les applications dites « industrie lourde » telles que :
Robustly designed, our 3PV and 3PX connectors are widely used for heavy duty applications such as:

Les ports : alimentation de grues, ponts roulants, spreaders, conteneurs réfrigérés…

Harbours: *travelling cranes, spreader beams, reefer containers…*

Les mines (non grisouteuses) : roues pelles, haveuses, excavatrices...

Mines (open cast): *tunneling machines, road headers, excavators…*

Les chemins de fer : liaison inter-caisse pour l'alimentation du système d'air conditionné, alimentation des trains pendant leur stationnement dans les ateliers d'entretien… Alimentation des voitures à quai pour la maintenance, le nettoyage…

Railways: *coach to coach couplings for heating and air-conditionning… Train maintenance in warehouse, cleaning…*

Les aéroports : maintenance des avions au sol…

Airports: *planes maintenance…*

Applications portuaires / *Harbour applications*

Applications minières / *Mining applications*

Applications ferroviaires / *Railways applications*

DONNÉES GÉNÉRALES / GENERAL DATA

Nos connecteurs sont disponibles en 2 versions :
Our connectors are available in 2 different shapes:

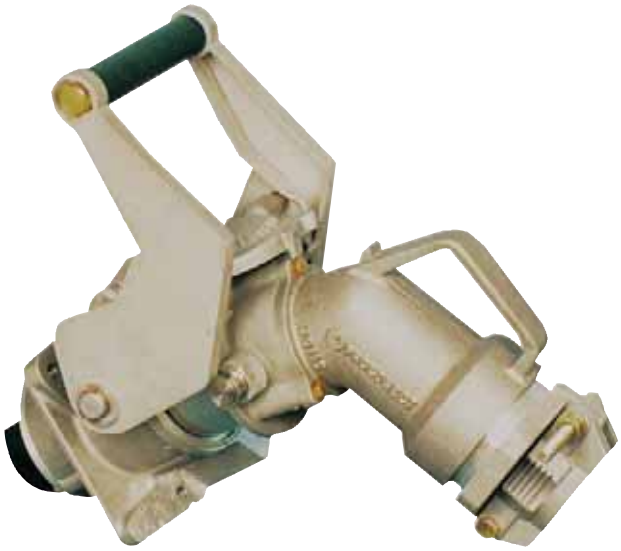
NORMES / STANDARDS*
IEC 60309-1
NFC 63300
Décret n°88-1056
IEC 60529

3PV :
La connexion se fait à l'aide d'un écrou vissé et permet un raccord simple et efficace.

Connection is made simply with a screw ring system.

3PX :
La connexion se fait à l'aide d'un bras levier, spécialement recommandé pour les opérations fréquentes ou si les prises sont soumises à des vibrations.

Push pull system is recommended for regular use or in case of vibrations.



* Partiellement / When applicable

Caractéristiques électriques

Voir tableau
Résistance des contacts < 1mΩ

Electrical characteristics

See table
Contact resistance < 1mΩ

Caractéristiques mécaniques

Etanchéité : IP67
Carcasses : Alliage d'aluminium résistant à la corrosion
Visserie : inox
Température d'utilisation : -30°C / +60°C
Résistance aux chocs : IK10

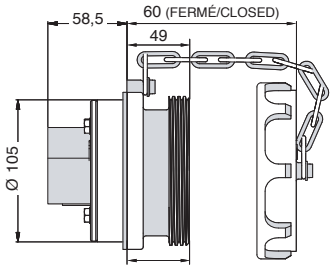
Mechanical characteristics

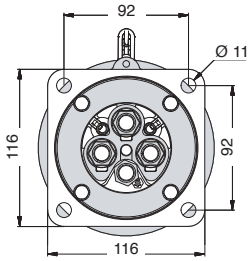
Watertightness: IP67
Casings: Corrosion proof tempered cast aluminium
Fastenings: stainless steel
Temperature range: -30°C / +60°C
Mechanical shocks withstand: IK10

		Nb contacts	Nb pilotes	Intensité / Amperage	Tension / Voltage	Section	Diam. Cable
		Max.	Max.	Max.	Max.	Max.	Max.
3PV4	3PV4	5	2/4	250A	3,3 kV	95 mm²	62 mm
	3PV4-37	37		30A	0,5 kV	6 mm²	62 mm
3PV5	3PV5	5	2/10	570A	3,3 kV	240 mm²	80 mm
	3PV5-61	61		30A	0,5 kV	6 mm²	80 mm
	3PV5-MV	4	3	350A	7,2 kV	150 mm²	80 mm
3PV6	3PV6	5	2	660A	3,3 kV	300 mm²	100 mm
	3PV6-MV	4	2	320A	12 kV	95 mm²	80 mm
3PX4	3PX4	5	2/4	250A	3,3 kV	95 mm²	60 mm
	3PX4-37	37		30A	0,5 kV	6 mm²	60 mm
3PX5	3PX5	5	2/10	570A	3,3 kV	240 mm²	80 mm
	3PX5-61	61		30A	0,5 kV	6 mm²	80 mm
	3PX5-MV	4	3	350A	7,2 kV	150 mm²	80 mm
3PX6	3PX6	5	2	660A	3,3 kV	300 mm²	100 mm
	3PX6-MV	4	2	320A	12 kV	95 mm²	80 mm

3PV4 - max. 250 A - 3.3 kV

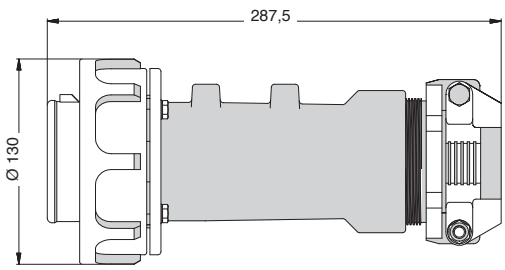
Embase / Socket





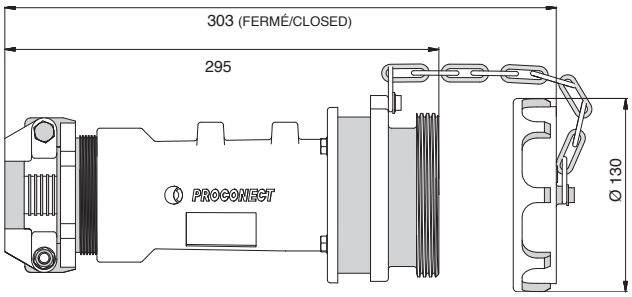
Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	160	V4DE335V	V4DR335V	16-35	10	1,7
	160	V4DE335	V4DR335	35		
	250	V4DE350V	V4DR350V	50-70		
	200	V4DE350	V4DR350	50		
	250	V4DE370	V4DR370	70		
	250	V4DE395	V4DR395	95		
5 +2p	160	V4DE435V	V4DR435V	16-35	10	1,7
	160	V4DE435	V4DR435	35		
	250	V4DE450V	V4DR450V	50-70		
	200	V4DE450	V4DR450	50		
	250	V4DE470	V4DR470	70		

Fiche / Plug



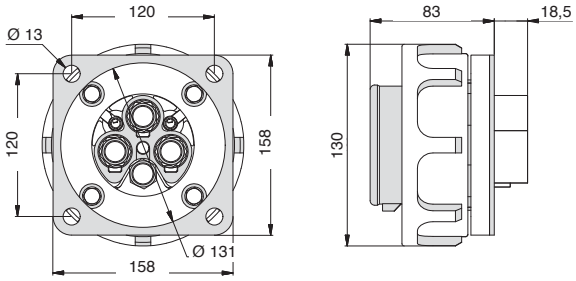
Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. Max. Cable (mm)
4 +2p	160	V4PR335V	V4PE335V	16-35	10	2,3	62
	160	V4PR335	V4PE335	35			
	250	V4PR350V	V4PE350V	50-70			
	200	V4PR350	V4PE350	50			
	250	V4PR370	V4PE370	70			
	250	V4PR395	V4PE395	95			
5 +2p	160	V4PR435V	V4PE435V	16-35	10	2,3	62
	160	V4PR435	V4PE435	35			
	250	V4PR450V	V4PE450V	50-70			
	200	V4PR450	V4PE450	50			
	250	V4PR470	V4PE470	70			

Prolongateur / Cable coupler



Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. Max. Cable (mm)
4 +2p	160	V4CE335V	V4CR335V	16-35	10	2,7	62
	160	V4CE335	V4CR335	35			
	250	V4CE350V	V4CR350V	50-70			
	200	V4CE350	V4CR350	50			
	250	V4CE370	V4CR370	70			
	250	V4CE395	V4CR395	95			
5 +2p	160	V4CE435V	V4CR435V	16-35	10	2,7	62
	160	V4CE435	V4CR435	35			
	250	V4CE450V	V4CR450V	50-70			
	200	V4CE450	V4CR450	50			
	250	V4CE470	V4CR470	70			

Connecteur / Appliance inlet



Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	160	V4AR335V	V4AE335V	16-35	10	1,8
	160	V4AR335	V4AE335	35		
	250	V4AR350V	V4AE350V	50-70		
	200	V4AR350	V4AE350	50		
	250	V4AR370	V4AE370	70		
	250	V4AR395	V4AE395	95		
5 +2p	160	V4AR435V	V4AE435V	16-35	10	1,8
	160	V4AR435	V4AE435	35		
	250	V4AR450V	V4AE450V	50-70		
	200	V4AR450	V4AE450	50		
	250	V4AR470	V4AE470	70		

Structure des références / References structure

V4 X X X XXX

D = Embase/*socket*
P = Fiche/*plug*
C = Prolongateur/ *Cable coupler*
A = Connecteur/ *Appliance Inlet*

E = Isolant émetteur (contacts mâles IP2)/ *Supplying insert (IP2 male contacts)*
R = Isolant récepteur (contacts femelles)/ *Receiving insert (female contacts)*

3 = 3 contacts+earth +2 pilot pins
4 = 3 contacts+neutral +earth+2 pilot pins

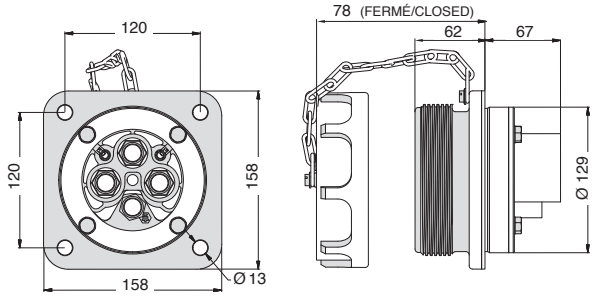
35V = 16-35 mm² (à visser/*to screw*)
35 = 35 mm²
50V = 50-70 mm² (à visser/*to screw*)
50 = 50 mm²
70 = 70 mm²
95 = 95 mm²

Autres sections sur demande / *other sections on request*

Options & *customising* (serrure/*locking*...)

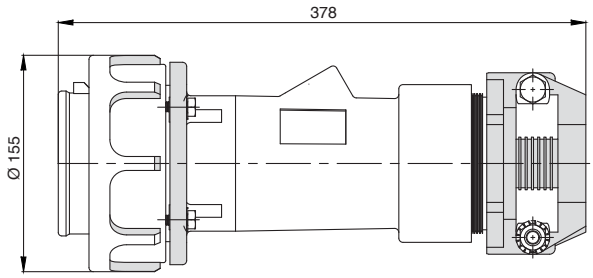
3PV5 - max. 570 A - 3.3 kV

Embase / Socket



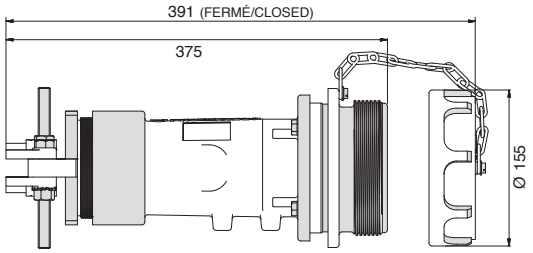
Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	250	V5DE370	V5DR370	70	14	3,1
	320	V5DE395	V5DR395	95	14	
	370	V5DE312	V5DR312	120	14	
	420	V5DE315	V5DR315	150	14	
	420	V5DE318	V5DR318	185	14	
	500	V5DE318-16	V5DR318-16	185	16	
	420	V5DE324	V5DR324	240	14	
	570	V5DE324-18	V5DR324-18	240	18	
5 +2p	250	V5DE470	V5DR470	70	12	3,1
	320	V5DE495	V5DR495	95	12	
	320	V5DE412	V5DR412	120	12	
	320	V5DE415	V5DR415	150	12	
	420	V5DE415-16	V5DR415-16	150	16	
	320	V5DE418	V5DR418	185	12	
	500	V5DE418-16	V5DR418-16	185	16	

Fiche / Plug



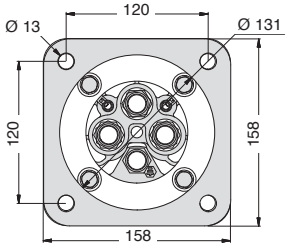
Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. Max. Cable (mm)
4 +2p	250	V5PR370	V5PE370	70	14	4,7	80
	320	V5PR395	V5PE395	95	14		
	370	V5PR312	V5PE312	120	14		
	420	V5PR315	V5PE315	150	14		
	420	V5PR318	V5PE318	185	14		
	500	V5PR318-16	V5PE318-16	185	16		
	420	V5PR324	V5PE324	240	14		
	570	V5PR324-18	V5PE324-18	240	18		
5 +2p	250	V5PR470	V5PE470	70	12	4,7	80
	320	V5PR495	V5PE495	95	12		
	320	V5PR412	V5PE412	120	12		
	320	V5PR415	V5PE415	150	12		
	420	V5PR415-16	V5PE415-16	150	16		
	320	V5PR418	V5PE418	185	12		
	500	V5PR418-16	V5PE418-16	185	16		

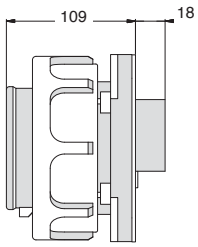
Prolongateur / Cable coupler



Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. Max. Cable (mm)
4 +2p	250	V5CE370	V5CR370	70	14	5	80
	320	V5CE395	V5CR395	95	14		
	370	V5CE312	V5CR312	120	14		
	420	V5CE315	V5CR315	150	14		
	420	V5CE318	V5CR318	185	14		
	500	V5CE318-16	V5CR318-16	185	16		
	420	V5CE324	V5CR324	240	14		
	570	V5CE324-18	V5CR324-18	240	18		
5 +2p	250	V5CE470	V5CR470	70	12	5	80
	320	V5CE495	V5CR495	95	12		
	320	V5CE412	V5CR412	120	12		
	320	V5CE415	V5CR415	150	12		
	420	V5CE415-16	V5CR415-16	150	16		
	320	V5CE418	V5CR418	185	12		
	500	V5CE418-16	V5CR418-16	185	16		

Connecteur / Appliance inlet





Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	250	V5AR370	V5AE370	70	14	3
	320	V5AR395	V5AE395	95	14	
	370	V5AR312	V5AE312	120	14	
	420	V5AR315	V5AE315	150	14	
	420	V5AR318	V5AE318	185	14	
	500	V5AR318-16	V5AE318-16	185	16	
	420	V5AR324	V5AE324	240	14	
	570	V5AR324-18	V5AE324-18	240	18	
5 +2p	250	V5AR470	V5AE470	70	12	3
	320	V5AR495	V5AE495	95	12	
	320	V5AR412	V5AE412	120	12	
	320	V5AR415	V5AE415	150	12	
	420	V5AR415-16	V5AE415-16	150	16	
	320	V5AR418	V5AE418	185	12	
	500	V5AR418-16	V5AE418-16	185	16	

Structure des références / References structure

V5 X X X XX

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*
- A = Connecteur / *Appliance Inlet*

- E = Isolant émetteur / (contacts mâles IP2) *Supplying insert (IP2 male contacts)*
- R = Isolant récepteur (contacts femelles) / *Receiving insert (female contacts)*

- 3 = 3 contacts+earth +2 pilot pins
- 4 = 3 contacts+neutral +earth+2pilot pins

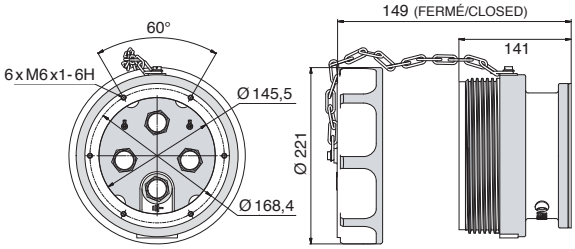
- 70 = 70 mm²
- 95 = 95 mm²
- 12 = 120 mm²
- 15 = 150 mm²
- 18 = 185 mm²
- 24 = 240 mm²

Autres sections sur demande / *other sections on request*

Options & *customising* (serrure/*locking*...)

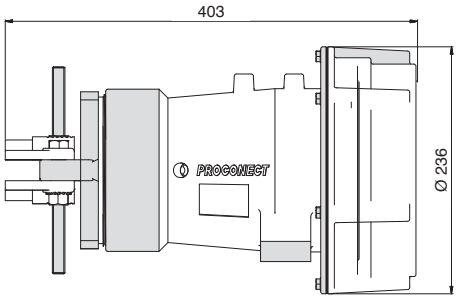
3PV6 - max. 660 A - 3.3 kV

Embase / Socket



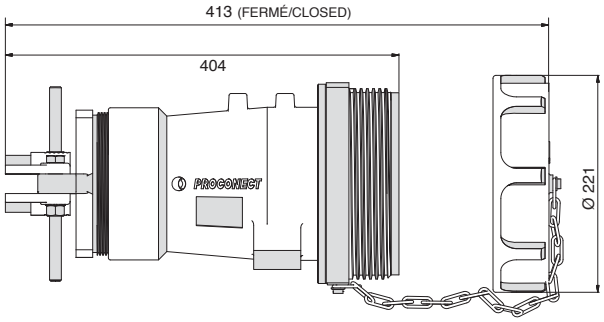
Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	500	V6DF318	V6DM318	185	20	6
	570	V6DF324	V6DM324	240		
	660	V6DF330	V6DM330	300		
5 +2p	500	V6DF418	V6DM418	185	20	6
	570	V6DF424	V6DM424	240		
	660	V6DF430	V6DM430	300		

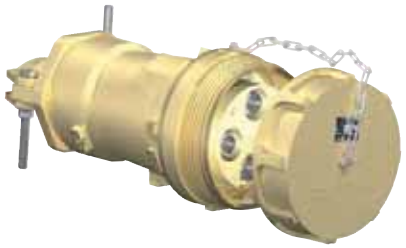
Fiche / Plug



Nb poles	Amp. Max.	Mâle (récept.) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	500	V6PM318	V6PF318	185	20	8	100
	570	V6PM324	V6PF324	240			
	660	V6PM330	V6PF330	300			
5 +2p	500	V6PM418	V6PF418	185	20	8	100
	570	V6PM424	V6PF424	240			
	660	V6PM430	V6PF430	300			

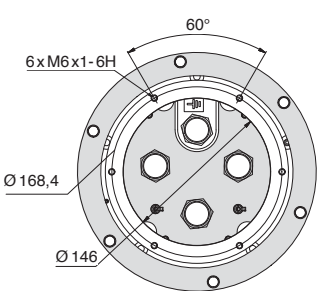
Prolongateur / Cable coupler

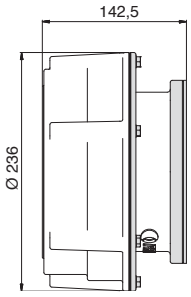




Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	500	V6CF318	V6CM318	185	20	9,5	100
	570	V6CF324	V6CM324	240			
	660	V6CF330	V6CM330	300			
5 +2p	500	V6CF418	V6CM418	185	20	9,5	100
	570	V6CF424	V6CM424	240			
	660	V6CF430	V6CM430	300			

Connecteur / Appliance inlet





Nb poles	Amp. Max.	Mâle (recept.) Male (receiver)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	500	V6AM318	V6AF318	185	20	5,4
	570	V6AM324	V6AF324	240		
	660	V6AM330	V6AF330	300		
5 +2p	500	V6AM418	V6AF418	185	20	5,4
	570	V6AM424	V6AF424	240		
	660	V6AM430	V6AF430	300		

Structure des références / References structure

V6 X X X XX

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*
- A = Connecteur / *Appliance Inlet*

- F = Isolant émetteur (contacts femelles) / *Supplying insert (female contacts)*
- M = Isolant récepteur (contacts mâles) / *Receiving insert (male contacts)*

- 3 = 3 contacts+earth +2 pilot pins
- 4 = 3 contacts+neutral +earth+2 pilot pins

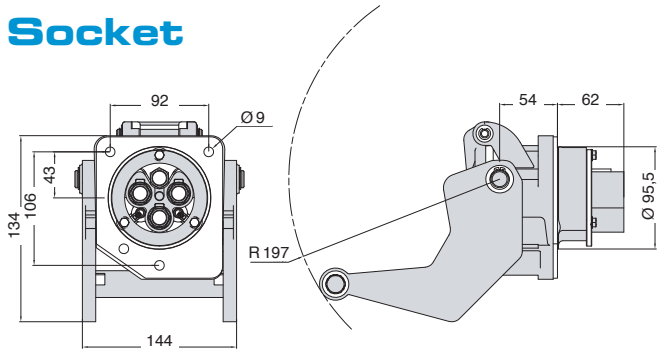
- 18 = 185 mm²
- 24 = 240 mm²
- 30 = 300 mm²

Autres sections sur demande / *other sections on request*

Options & *customising* (serrure/*locking*...)

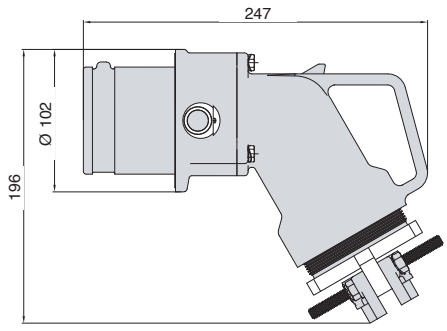
3PX4 - max. 250 A - 3.3 kV

Embase / Socket



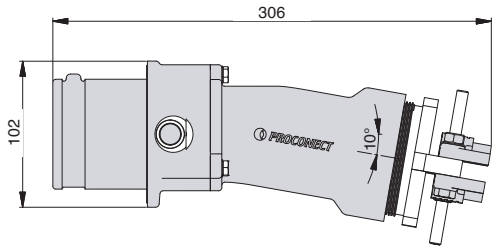
Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	160	X4DE335V	X4DR335V	16-35	10	2,2
	160	X4DE335	X4DR335	35		
	250	X4DE350V	X4DR350V	50-70		
	200	X4DE350	X4DR350	50		
	250	X4DE370	X4DR370	70		
	250	X4DE395	X4DR395	95		
5 +2p	160	X4DE435V	X4DR435V	16-35	10	2,2
	160	X4DE435	X4DR435	35		
	250	X4DE450V	X4DR450V	50-70		
	200	X4DE450	X4DR450	50		
	250	X4DE470	X4DR470	70		

Fiche coudée / Angled plug 60°



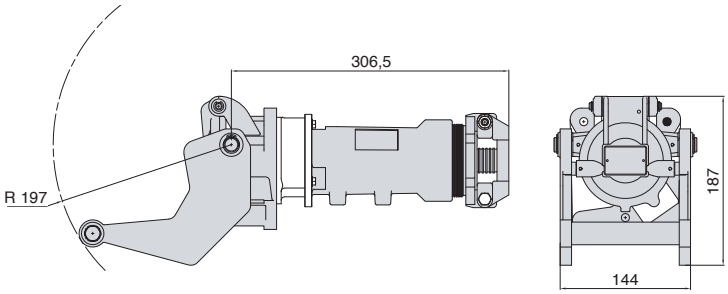
Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	160	X4PR335V	X4PE335V	16-35	10	2,1	60
	160	X4PR335	X4PE335	35			
	250	X4PR350V	X4PE350V	50-70			
	200	X4PR350	X4PE350	50			
	250	X4PR370	X4PE370	70			
	250	X4PR395	X4PE395	95			
5 +2p	160	X4PR435V	X4PE435V	16-35	10	2,1	60
	160	X4PR435	X4PE435	35			
	250	X4PR450V	X4PE450V	50-70			
	200	X4PR450	X4PE450	50			
	250	X4PR470	X4PE470	70			

Fiche droite / Straight plug (10°)



Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
	160	X4PR335VS	X4PE335VS	16-35			
	160	X4PR335S	X4PE335S	35			
4	250	X4PR350VS	X4PE350VS	50-70	10	2	60
+2p	200	X4PR350S	X4PE350S	50			
	250	X4PR370S	X4PE370S	70			
	250	X4PR395S	X4PE395S	95			
	160	X4PR435VS	X4PE435VS	16-35			
5	160	X4PR435S	X4PE435S	35			
+2p	250	X4PR450VS	X4PE450VS	50-70	10	2	60
	200	X4PR450S	X4PE450S	50			
	250	X4PR470S	X4PE470S	70			

Prolongateur / Cable coupler



Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
	160	X4CE335VS	X4CR335VS	16-35			
	160	X4CE335S	X4CR335S	35			
4	250	X4CE350VS	X4CR350VS	50-70	10	3,5	60
+2p	200	X4CE350S	X4CR350S	50			
	250	X4CE370S	X4CR370S	70			
	250	X4CE395S	X4CR395S	95			
	160	X4CE435VS	X4CR435VS	16-35			
5	160	X4CE435S	X4CR435S	35			
+2p	250	X4CE450VS	X4CR450VS	50-70	10	3,5	60
	200	X4CE450S	X4CR450S	50			
	250	X4CE470S	X4CR470S	70			

Structure des références / References structure

X4 X X X XX X

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*

- E = Isolant émetteur (contacts mâles IP2) / *Supplying insert (IP2 male contacts)*
- R = Isolant récepteur (contacts femelles) / *Receiving insert (female contacts)*

- 3 = 3 contacts+earth +2 pilot pins
- 4 = 3 contacts+neutral +earth+2 pilot pins

- 35V = 16-35 mm² (à visser/*to screw*)
- 35 = 35 mm²
- 50V = 50-70 mm² (à visser/*to screw*)
- 50 = 50 mm²
- 70 = 70 mm²
- 95 = 95 mm²

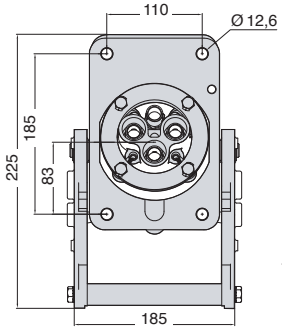
- S = cloche droite / *straight handle*

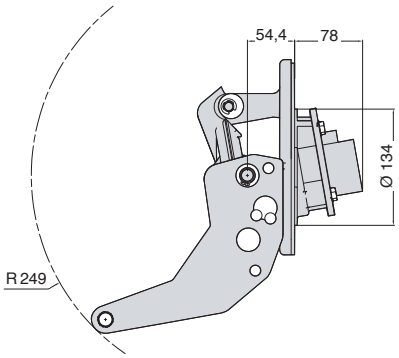
Autres sections sur demande / *other sections on request*

Options & *customising* (serrure / *locking microswitch*...)

3PX5 - max. 570 A - 3.3 kV

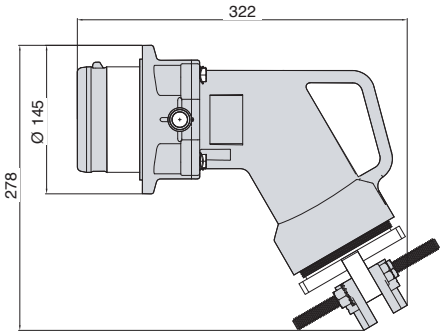
Embase / Socket





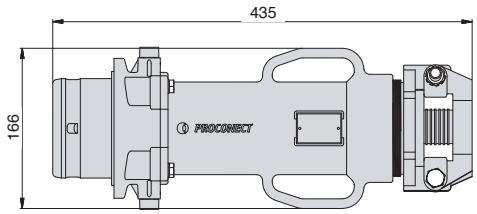
Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	250	X5DE370	X5DR370	70	14	5,3
	320	X5DE395	X5DR395	95	14	
	370	X5DE312	X5DR312	120	14	
	420	X5DE315	X5DR315	150	14	
	420	X5DE318	X5DR318	185	14	
	500	X5DE318-16	X5DR318-16	185	16	
	420	X5DE324	X5DR324	240	14	
	570	X5DE324-18	X5DR324-18	240	18	
5 +2p	250	X5DE470	X5DR470	70	12	5,3
	320	X5DE495	X5DR495	95	12	
	320	X5DE412	X5DR412	120	12	
	320	X5DE415	X5DR415	150	12	
	420	X5DE415-16	X5DR415-16	150	16	
	320	X5DE418	X5DR418	185	12	
	500	X5DE418-16	X5DR418-16	185	16	

Fiche coudée / Angled plug 60°



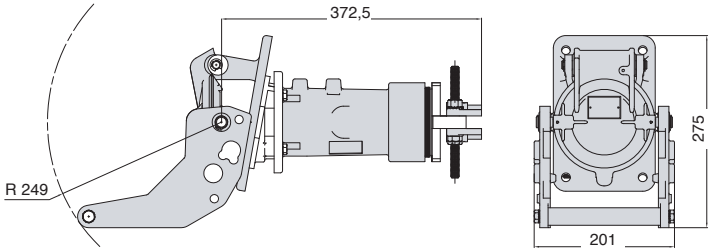
Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	250	X5PR370	X5PE370	70	14	4,6	80
	320	X5PR395	X5PE395	95	14		
	370	X5PR312	X5PE312	120	14		
	420	X5PR315	X5PE315	150	14		
	420	X5PR318	X5PE318	185	14		
	500	X5PR318-16	X5PE318-16	185	16		
	420	X5PR324	X5PE324	240	14		
	570	X5PR324-18	X5PE324-18	240	18		
5 +2p	250	X5PR470	X5PE470	70	12	4,6	80
	320	X5PR495	X5PE495	95	12		
	320	X5PR412	X5PE412	120	12		
	320	X5PR415	X5PE415	150	12		
	420	X5PR415-16	X5PE415-16	150	16		
	320	X5PR418	X5PE418	185	12		
	500	X5PR418-16	X5PE418-16	185	16		

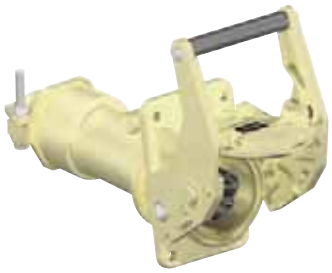
Fiche droite / Straight plug



Nb poles	Amp. Max.	Isolant récepteur Receiving insert	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	250	X5PR370S	X5PE370S	70	14	4,9	80
	320	X5PR395S	X5PE395S	95	14		
	420	X5PR312S	X5PE312S	120	14		
	420	X5PR315S	X5PE315S	150	14		
	420	X5PR318S	X5PE318S	185	14		
	500	X5PR318S-16	X5PE318S-16	185	16		
	420	X5PR324S	X5PE324S	240	14		
	570	X5PR324S-18	X5PE324S-18	240	18		
5 +2p	250	X5PR470S	X5PE470S	70	12	4,9	80
	320	X5PR495S	X5PE495S	95	12		
	320	X5PR412S	X5PE412S	120	12		
	320	X5PR415S	X5PE415S	150	12		
	420	X5PR415S-16	X5PE415S-16	150	16		
	320	X5PR418S	X5PE418S	185	12		
	500	X5PR418S-16	X5PE418S-16	185	16		

Prolongateur / Cable coupler





Nb poles	Amp. Max.	Isolant émet. Suppl. Insert IP2	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	250	X5CE370S	X5CR370S	70	14	7,5	80
	320	X5CE395S	X5CR395S	95	14		
	420	X5CE312S	X5CR312S	120	14		
	420	X5CE315S	X5CR315S	150	14		
	420	X5CE318S	X5CR318S	185	14		
	500	X5CE318S-16	X5CR318S-16	185	16		
	420	X5CE324S	X5CR324S	240	14		
	570	X5CE324S-18	X5CR324S-18	240	18		
5 +2p	250	X5CE470S	X5CR470S	70	12	7,5	80
	320	X5CE495S	X5CR495S	95	12		
	320	X5CE412S	X5CR412S	120	12		
	320	X5CE415S	X5CR415S	150	12		
	420	X5CE415S-16	X5CR415S-16	150	16		
	320	X5CE418S	X5CR418S	185	12		
	500	X5CE418S-16	X5CR418S-16	185	16		

Structure des références / References structure

X5 X X X XX X

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*

- E = Isolant émetteur (contacts mâles IP2) / *Supplying insert (IP2 male contacts)*
- R = Isolant récepteur (contacts femelles) / *Receiving insert (female contacts)*

- 3 = 3 contacts+earth +2 pilot pins
- 4 = 3 contacts+neutral +earth+2 pilot pins

- 70 = 70 mm²
- 95 = 95 mm²
- 12 = 120 mm²
- 15 = 150 mm²
- 18 = 185 mm²
- 24 = 240 mm²

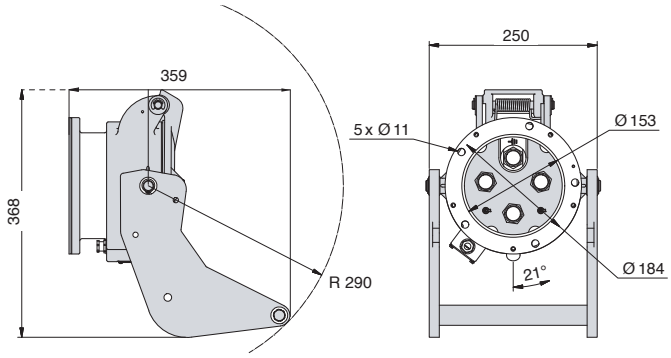
- S = cloche droite / *straight handle*

Autres sections sur demande / *other sections on request*

Options & customising (serrure / *locking microswitch...*)

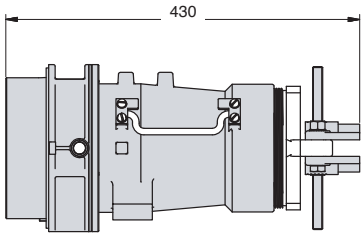
3PX6 - max. 660 A - 3.3 kV

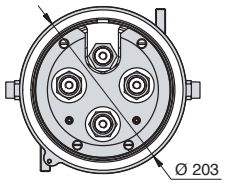
Embase / Socket



Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +2p	500	X6DF318	X6DM318	185	20	7,5
	570	X6DF324	X6DM324	240		
	660	X6DF330	X6DM330	300		
5 +2p	500	X6DF418	X6DM418	185	20	7,5
	570	X6DF424	X6DM424	240		
	660	X6DF430	X6DM430	300		

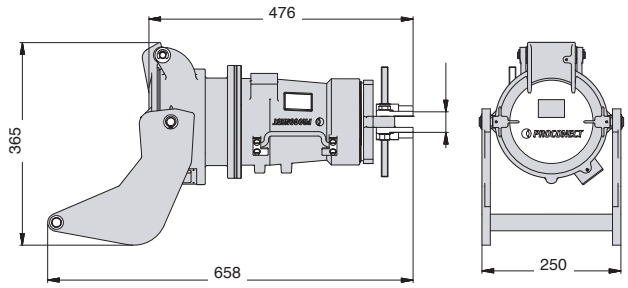
Fiche droite / Straight plug





Nb poles	Amp. Max.	Mâle (recept.) Male (receiv)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	500	X6PM318S	X6PF318S	185	20	8,8	100
	570	X6PM324S	X6PF324S	240			
	660	X6PM330S	X6PF330S	300			
5 +2p	500	X6PM418S	X6PF418S	185	20	8,8	100
	570	X6PM424S	X6PF424S	240			
	660	X6PM430S	X6PF430S	300			

Prolongateur / Cable coupler



Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +2p	500	X6CF318S	X6CM318S	185	20	11,7	100
	570	X6CF324S	X6CM324S	240			
	660	X6CF330S	X6CM330S	300			
5 +2p	500	X6CF418S	X6CM418S	185	20	11,7	100
	570	X6CF424S	X6CM424S	240			
	660	X6CF430S	X6CM430S	300			

Structure des références / References structure

X6 X X X XX X

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*

- F = Isolant émetteur (contacts femelles) / *Supplying insert (female contacts)*
- M = Isolant récepteur (contacts mâles) / *Receiving insert (male contacts)*

- 3 = 3 contacts+earth +2 pilot pins
- 4 = 3 contacts+neutral +earth+2 pilot pins

- 18 = 185 mm²
- 24 = 240 mm²
- 30 = 300 mm²

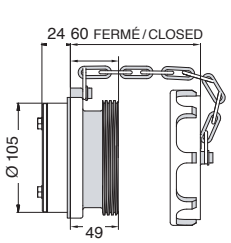
- S = cloche droite / *straight handle*

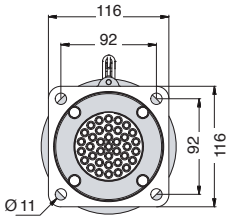
Autres sections sur demande / *other sections on request*

Options & *customising* (serrure / *locking microswitch*...)

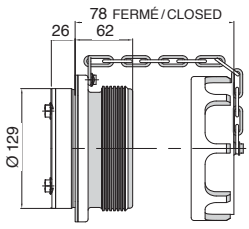
3PV4 37 POLES
3PV5 61 POLES - max. 30 A - 500 V

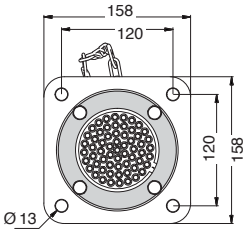
Embase / Socket





3PV4

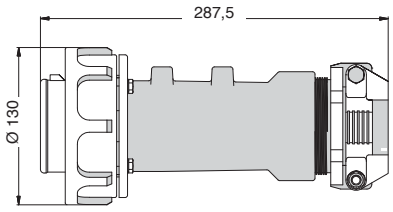




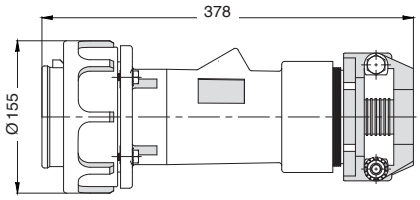
3PV5

Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
37	10	V4MD37S	V4MD37P	1,5	3,6	1,7
	30	V4MD37F	V4MD37M	6		
61	10	V5MD61S	V5MD61P	1,5	3,6	3,5
	30	V5MD61F	V5MD61M	6		

Fiche / Plug



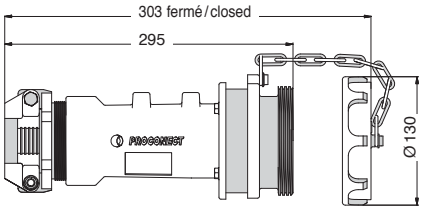
3PV4



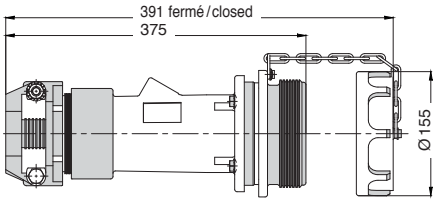
3PV5

Nb poles	Amp. Max.	Mâle (récept) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
37	10	V4MP37P	V4MP37S	1,5	3,6	2,3	62
	30	V4MP37M	V4MP37F	6			
61	10	V5MP61P	V5MP61S	1,5	3,6	4,7	80
	30	V5MP61M	V5MP61F	6			

Prolongateur / Cable coupler



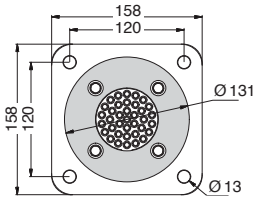
3PV4

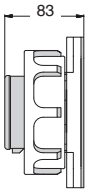


3PV5

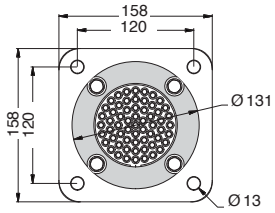
Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
37	10	V4MC37S	V4MC37P	1,5	3,6	2,7	62
	30	V4MC37F	V4MC37M	6			
61	10	V5MC61S	V5MC61P	1,5	3,6	5	80
	30	V5MC61F	V5MC61M	6			

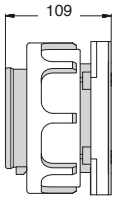
Connecteur / Appliance inlet





3PV4





3PV5

Nb poles	Amp. Max.	Mâle (récept) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
37	10	V4MA37P	V4MA37S	1,5	3,6	1,7
	30	V4MA37M	V4MA37F	6		
61	10	V5MA61P	V5MA61S	1,5	3,6	3,7
	30	V5MA61M	V5MA61F	6		

Structure des références / References structure

XX X X XX X

V4 = Boitier de 3PV4 / *3PV4 casing*
V5 = Boitier de 3PV5 / *3PV5 casing*

M = multibroches / *multipin*

D = Embase / *socket*
P = Fiche / *plug*
C = Prolongateur / *Cable coupler*
A = Connecteur / *Appliance Inlet*

37 = 37 contacts
61 = 61 contacts

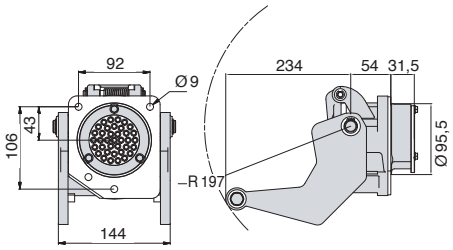
F = contacts femelles 6mm² / *female contacts 6mm²*
S = contacts femelles 1,5mm² / *female contacts 1,5mm²*
M = contacts mâles 6mm² / *male contacts 6mm²*
P = contacts mâles 1,5mm² / *male contacts 1,5mm²*

Autres sections sur demande / *other sections on request*

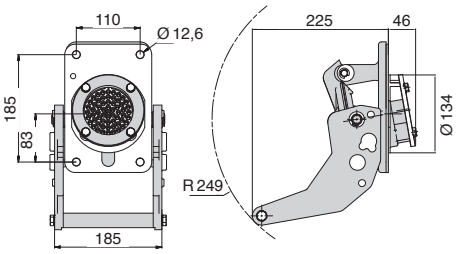
Options & customising (serrure / *locking, microswitch...*)

3PX4 37 POLES
3PX5 61 POLES - max. 30 A - 500 V

Embase / Socket



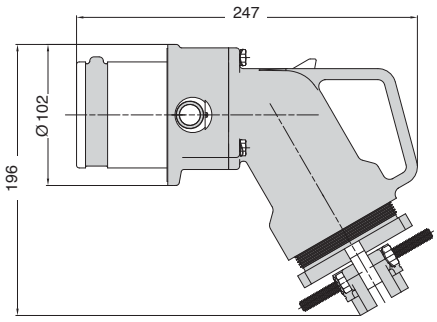
3PX4



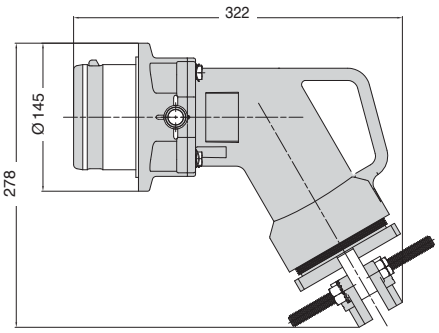
3PX5

Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
37	10	X4MD37S	X4MD37P	1,5	3,6	2,5
	30	X4MD37F	X4MD37M	6		
61	10	X5MD61S	X5MD61P	1,5	3,6	5,3
	30	X5MD61F	X5MD61M	6		

Fiche / Plug



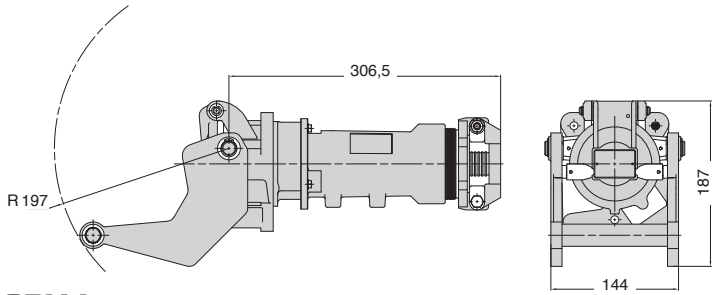
3PX4



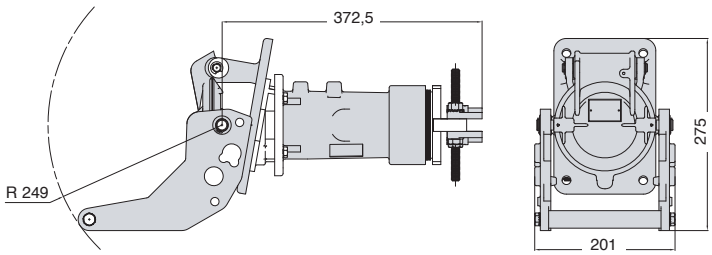
3PX5

Nb poles	Amp. Max.	Mâle (récept) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
37	10	X4MP37P	X4MP37S	1,5	3,6	2,1	60
	30	X4MP37M	X4MP37F	6			
61	10	X5MP61P	X5MP61S	1,5	3,6	4,1	80
	30	X5MP61M	X5MP61F	6			

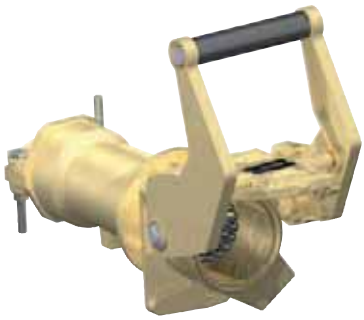
Prolongateur / Cable coupler



3PX4



3PX5



Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
37	10	X4MC37S	X4MC37P	1,5	3,6	3,5	60
	30	X4MC37F	X4MC37M	6			
61	10	X5MC61S	X5MC61P	1,5	3,6	8	80
	30	X5MC61F	X5MC61M	6			

Structure des références / References structure

XX X X XX X

X4 = Boitier de 3PX4 / *3PX4 casing*
X5 = Boitier de 3PX5 / *3PX5 casing*

M = multibroches / *multipin*

D = Embase / *socket*
P = Fiche / *plug*
C = Prolongateur / *Cable coupler*

37 = 37 contacts
61 = 61 contacts

F = contacts femelles 6mm²
female contacts 6mm²
S = contacts femelles 1,5mm²
female contacts 1,5mm²
M = contacts mâles 6mm²
male contacts 6mm²
P = contacts mâles 1,5mm²
male contacts 1,5mm²

Autres sections sur demande / *other sections on request*

Options & customising (serrure / *locking, microswitch...*)

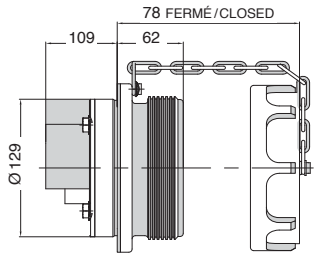
3PV5 MV - max. 7,2 kV - 350 A

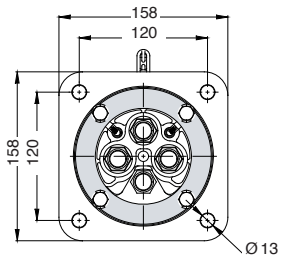
Tension nom. : 6,6 kV
Tension max. : 7,2 kV
Intensité max. : 350 A
Tenue aux ondes de chocs (1,2 x 50 µs) : 50 kV
Tenue diélectrique : 20 kV / 50Hz / 1 min rms
Tenue aux courants de court-circuit : 16 kA

Nominal voltage : 6,6 kV
Max. voltage : 7,2 kV
Max. amperage : 350 A
Impulse voltage (1,2 x 50 µs) : 50 kV
AC withstand : 20 kV / 50Hz / 1 min rms
Fault rating : 16 kA

Normes / Standards *
IEC/ISO/IEE 80005-1
HD 629.1 S2
*** partiellement / when applicable**

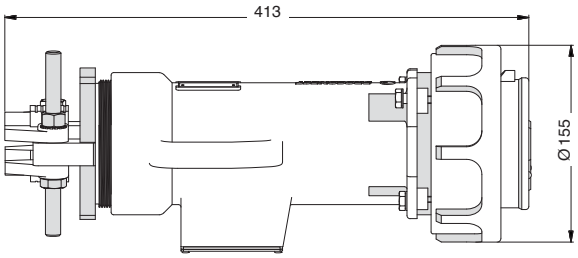
Embase / Socket





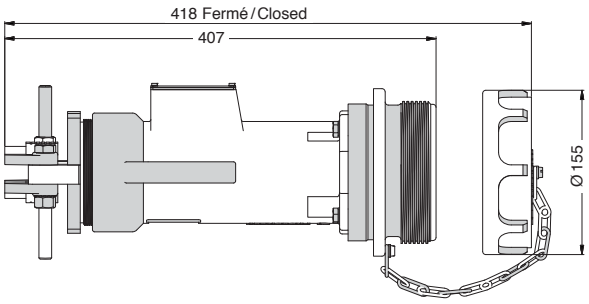
Nb poles	Amp. Max.	Femelle (émet.) Female (Suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +3p	125	V5DF325MV	V5DM325MV	25	12	3,5
	160	V5DF335MV	V5DM335MV	35		
	200	V5DF350MV	V5DF350MV	50		
	250	V5DF370MV	V5DM370MV	70		
	320	V5DF395MV	V5DM395MV	95		
	350	V5DF312MV	V5DM312MV	120		
	350	V5DF315MV	V5DM315MV	150		

Fiche / Plug



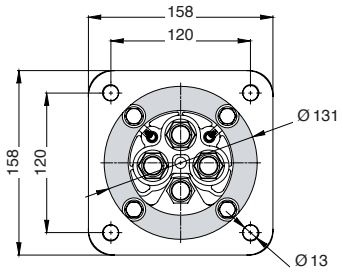
Nb poles	Amp. Max.	Mâle (récept.) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +3p	125	V5PM325MV	V5PF325MV	25	12	4,7	80
	160	V5PM335MV	V5PF335MV	35			
	200	V5PM350MV	V5PF350MV	50			
	250	V5PM370MV	V5PF370MV	70			
	320	V5PM395MV	V5PF395MV	95			
	350	V5PM312MV	V5PF312MV	120			
	350	V5PM315MV	V5PF315MV	150			

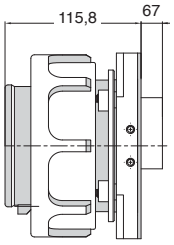
Prolongateur / Cable coupler



Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +3p	125	V5CF325MV	V5CM325MV	25	12	5	80
	160	V5CF335MV	V5CM335MV	35			
	200	V5CF350MV	V5CM350MV	50			
	250	V5CF370MV	V5CM370MV	70			
	320	V5CF395MV	V5CM395MV	95			
	350	V5CF312MV	V5CM312MV	120			
	350	V5CF315MV	V5CM315MV	150			

Connecteur / Appliance inlet





Nb poles	Amp. Max.	Mâle (récept.) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +3p	125	V5AM325MV	V5AF325MV	25	12	3,7
	160	V5AM335MV	V5AF335MV	35		
	200	V5AM350MV	V5AF350MV	50		
	250	V5AM370MV	V5AF370MV	70		
	320	V5AM395MV	V5AF395MV	95		
	350	V5AM3120MV	V5AF3120MV	120		
	350	V5AM3150MV	V5AF3150MV	150		

Structure des références / References structure

V5 X X X XX XX

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*
- A = Connecteur / *Appliance Inlet*

- F= isolant émetteur (contacts femelles) / *Supplying insert female contacts)*
- M = isolant récepteur (contacts mâles) / *Receiving insert male contacts)*

- 3 = 3 contacts+earth +2 pilot pins

- 25 = 25mm²
- 35 = 35mm²
- 50 = 50mm²
- 70 = 70 mm²
- 95 = 95 mm²
- 12 = 120 mm²
- 15 = 150 mm²

- MV = moyenne tension / *mid voltage*

Autres sections sur demande / *other sections on request*

Options & customising (serrure / *locking...*)

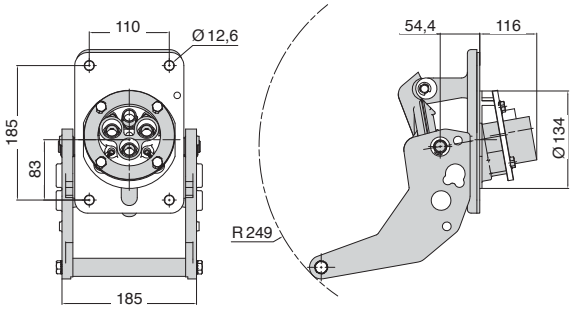
3PX5 MV - 7,2 kV - 350 A

Tension nom. : 6,6 kV
Tension max. : 7,2 kV
Intensité max. : 350 A
Tenue aux ondes de chocs (1,2 x 50 µs) : 50 kV
Tenue diélectrique : 20 kV / 50Hz / 1 min rms
Tenue aux courants de court-circuit : 16 kA

Nominal voltage : 6,6 kV
Max. voltage : 7,2 kV
Max. amperage : 350 A
Impulse voltage (1,2 x 50 µs) : 50 kV
AC withstand : 20 kV / 50Hz / 1 min rms
Fault rating : 16 kA

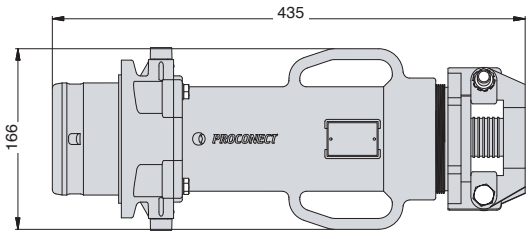
Normes / Standards *
IEC/ISO/IEE 80005-1
HD 629.1 S2
*** partiellement / when applicable**

Embase / Socket



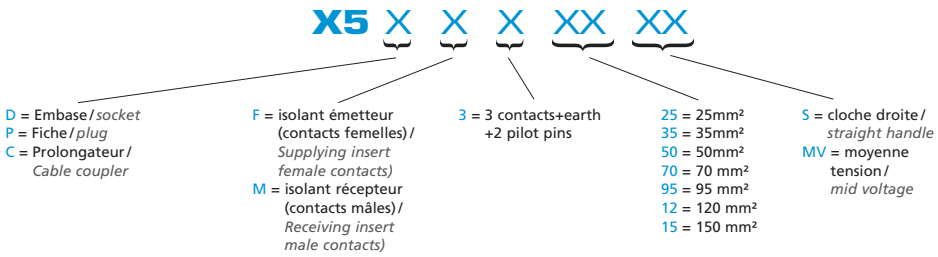
Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
4 +3p	125	X5DF325MV	X5DM325MV	25	12	5,3
	160	X5DF335MV	X5DM335MV	35		
	200	X5DF350MV	X5DF350MV	50		
	250	X5DF370MV	X5DM370MV	70		
	320	X5DF395MV	X5DM395MV	95		
	350	X5DF312MV	X5DM312MV	120		
	350	X5DF315MV	X5DM315MV	150		

Fiche droite / Straight plug



Nb poles	Amp. Max.	Mâle (récept.) Male (receiv.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
4 +3p	125	X5PM325SMV	X5PF325SMV	25	12	4,9	80
	160	X5PM335SMV	X5PF335SMV	35			
	200	X5PM350SMV	X5PF350SMV	50			
	250	X5PM370SMV	X5PF370SMV	70			
	320	X5PM395SMV	X5PF395SMV	95			
	350	X5PM312SMV	X5PF312SMV	120			
	350	X5PM315SMV	X5PF315SMV	150			

Structure des références / References structure



Autres sections sur demande / *other sections on request*

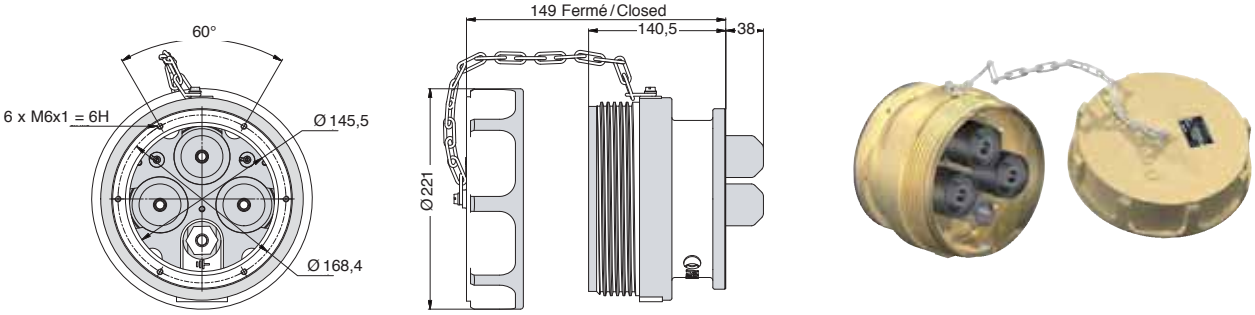
Options & customising (serrure / *locking...*)

3PV6 MV - 11 kV- 320 A

Tension nom. : 11 kV
Tension max. : 12 kV
Intensité max. : 320 A
Tenue aux ondes de chocs (1,2 x 50 µs) : 75 kV
Tenue diélectrique : 27 kV / 50Hz / 1 min rms
Tenue aux courants de court-circuit : 16 kA

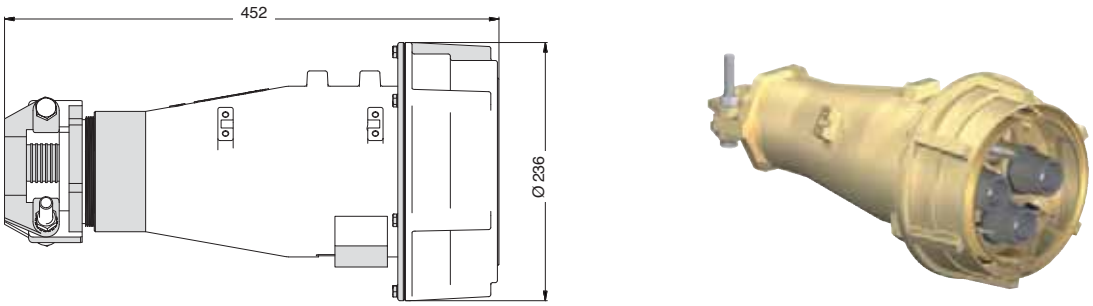
Nominal voltage : 11 kV
Max. voltage : 12 kV
Max. amperage : 320 A
Impulse voltage (1,2 x 50 µs) : 75 kV
AC withstand : 27 kV / 50Hz / 1 min rms
Fault rating : 16 kA

Embase / Socket



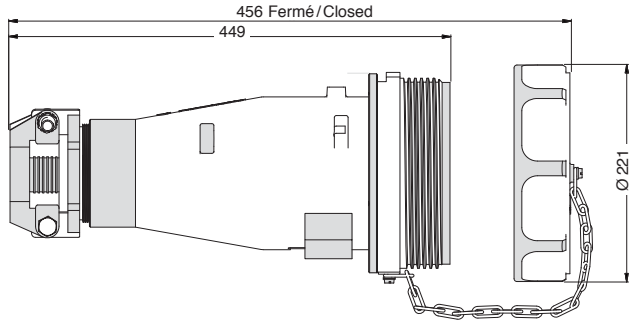
Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
	80	V6DF316MV	V6DM316MV	16	6	
	120	V6DF325MV	V6DM325MV	25	6	
4	160	V6DF335MV	V6DM335MV	35	6	6,1
+2p	200	V6DF350MV	V6DM350MV	50	14	
	250	V6DF370MV	V6DM370MV	70	14	
	320	V6DF395MV	V6DM395MV	95	14	

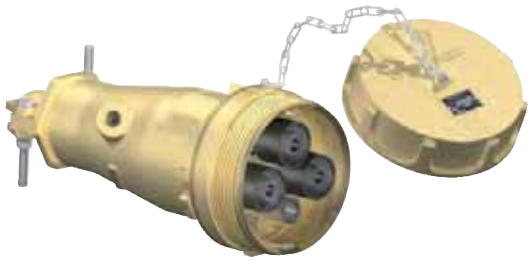
Fiche / Plug



Nb poles	Amp. Max.	Mâle (récept.) Male (receiv)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam.max. Cable (mm)
	80	V6PM316MV	V6PF316MV	16	6		
	120	V6PM325MV	V6PF325MV	25	6		
4	160	V6PM335MV	V6PF335MV	35	6	8	80
+2p	200	V6PM350MV	V6PF350MV	50	14		
	250	V6PM370MV	V6PF370MV	70	14		
	320	V6PM395MV	V6PF395MV	95	14		

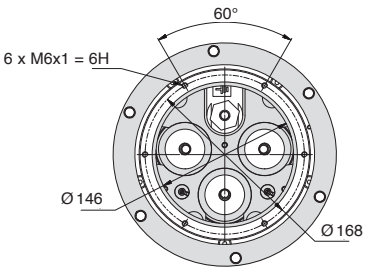
Prolongateur / Cable coupler

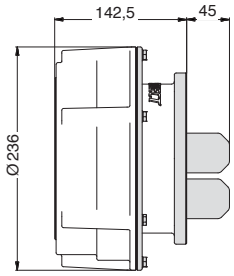




Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids/ Weight (kg)	Diam. max. Cable (mm)
	80	V6CF316MV	V6CM316MV	16	6		
	120	V6CF325MV	V6CM325MV	25	6		
4	160	V6CF335MV	V6CM335MV	35	14	8,5	80
+2p	200	V6CF350MV	V6CM350MV	50	14		
	250	V6CF370MV	V6CM370MV	70	14		
	320	V6CF395MV	V6CM395MV	95	14		

Connecteur / Appliance inlet





Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
	80	V6AM316MV	V6AF316MV	16	6	
	120	V6AM325MV	V6AF325MV	25	6	
4	160	V6AM335MV	V6AF335MV	35	6	5,4
+2p	200	V6AM350MV	V6AF350MV	50	14	
	250	V6AM370MV	V6AF370MV	70	14	
	320	V6AM395MV	V6AF395MV	95	14	

Structure des références / References structure

V6 X X X XX XX

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*
- A = Connecteur / *Appliance Inlet*

- F= isolant émetteur (contacts femelles) / *Supplying insert female contacts)*
- M = isolant récepteur (contacts mâles) / *Receiving insert male contacts)*

- 3 = 3 contacts+earth +2 pilot pins

- 16 = 16mm²
- 25 = 25mm²
- 35 = 35mm²
- 50 = 50mm²
- 70 = 70mm²
- 95 = 95mm²

- MV = moyenne tension / *mid voltage*

Autres sections sur demande / *other sections on request*

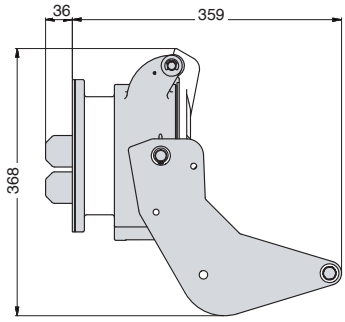
Options & customising (serrure / *locking...*)

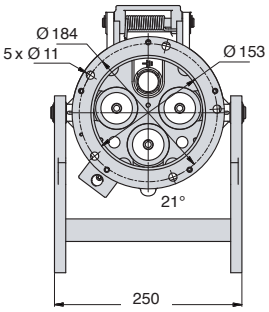
3PX6 MV - 11 kV - 320 A

Tension nom. : 11 kV
Tension max. : 12 kV
Intensité max. : 320 A
Tenue aux ondes de chocs (1,2 x 50 µs) : 75 kV
Tenue diélectrique : 27 kV / 50Hz / 1 min rms
Tenue aux courants de court-circuit : 16 kA

Nominal voltage : 11 kV
Max. voltage : 12 kV
Max. amperage : 320 A
Impulse voltage (1,2 x 50 µs) : 75 kV
AC withstand : 27 kV / 50Hz / 1 min rms
Fault rating : 16 kA

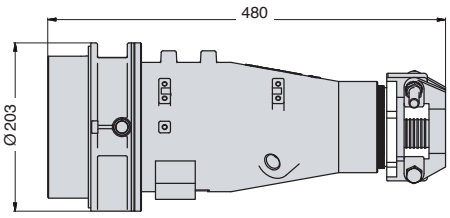
Embase / Socket

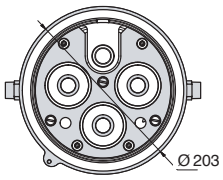




Nb poles	Amp. Max.	Femelle (émet.) Female (suppl.)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)
	80	X6DF316MV	X6DM316MV	16	6	
	120	X6DF325MV	X6DM325MV	25	6	
4	160	X6DF335MV	X6DM335MV	35	6	7,5
+2p	200	X6DF350MV	X6DM350MV	50	14	
	250	X6DF370MV	X6DM370MV	70	14	
	320	X6DF395MV	X6DM395MV	95	14	

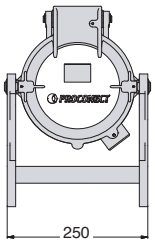
Fiche / Plug

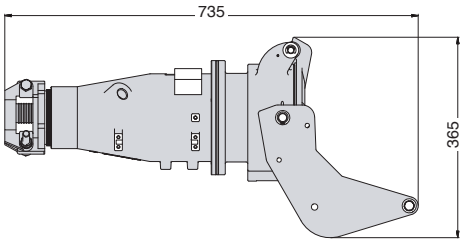


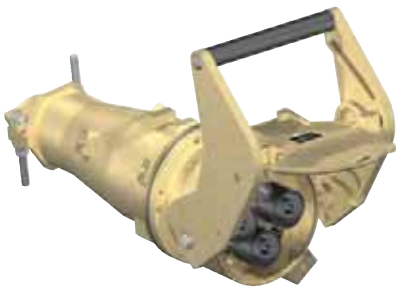


Nb poles	Amp. Max.	Mâle (récept.) Male (receiv)	Isolant inversé Inver. insert	Section mm²	Calibre contact	Poids Weight (kg)	Diam. max. Cable (mm)
	80	X6PM316SMV	X6PF316SMV	16	6		
	120	X6PM325SMV	X6PF325SMV	25	6		
4	160	X6PM335SMV	X6PF335SMV	35	6		
+2p	200	X6PM350SMV	X6PF350SMV	50	14	8,3	80
	250	X6PM370SMV	X6PF370SMV	70	14		
	320	X6PM395SMV	X6PF395SMV	95	14		

Prolongateur / Cable coupler







Nb poles	Amp. Max.	**Femelle (émet.) Female (suppl.)**	**Isolant inversé Inver. insert**	**Section mm²**	**Calibre contact**	Poids Weight (kg)	Diam. max. Cable (mm)
	80	X6CF316SMV	X6CM316SMV	16	6		
	120	X6CF325SMV	X6CM325SMV	25	6		
4	160	X6CF335SMV	X6CM335SMV	35	6	11,7	80
+2p	200	X6CF350SMV	X6CM350SMV	50	14		
	250	X6CF370SMV	X6CM370SMV	70	14		
	320	X6CF395SMV	X6CM395SMV	95	14		

Structure des références / References structure

X6 X X X XX X XX

- D = Embase / *socket*
- P = Fiche / *plug*
- C = Prolongateur / *Cable coupler*
- F = isolant émetteur (contacts femelles) / *Supplying insert female contacts)*
- M = isolant récepteur (contacts mâles) / *Receiving insert male contacts)*
- 3 = 3 contacts +earth +2 pilot pins
- 16 = 16 mm²
- 25 = 25 mm²
- 35 = 35 mm²
- 50 = 50 mm²
- 70 = 70 mm²
- 95 = 95 mm²
- S = Cloche droite *Straight handle*
- MV = moyenne tension / *mid voltage*

Autres sections sur demande / *other sections on request*

Options & *customising* (serrure / *locking*...)

OPTIONS

Bouchons de fiche / Plug caps


3PV4-PC


3PV5-PC


3PV6-PC


3PX5-PC


3PX6-PC

Microswitch

Les embases 3PX4, 3PX5 et 3PX6 peuvent être équipées d'un microswitch permettant la transmission d'informations.

3PX4 and 3PX5 and 3PX6 sockets can be equipped with a microswitch for information transmission.

Serrures / Lockings

Les prises 3PX peuvent être équipées de divers type de serrure (penne ou loquet), permettant de sécuriser au maximum les installations contre les risques d'utilisation non autorisée.

3PX can be equipped with different type of lockings avoiding use of the connectors by people not allowed.

Dérivation fibre optique / Fiber optic derivations

Les carcasses de 3PV5/3PX5 - 3PV6/3PX6 peuvent être usinées avec une sortie taraudée permettant la fixation d'un connecteur pour fibres optiques.

3PV5 and 3PX5 - 3PV6 / 3PX6 casings can be machined with a threaded hole to receive a fiber optic connector.

Isolants spéciaux / Special inserts

3PV4 / 3PX4

Isolant 3P + 3 pilotes / *3P+ 3 pilot pins insert*
Isolant 4P + 4 pilotes / *4P + 4 pilot pins inserts*

3PV5/3PX5

Isolant 4P + 10 pilotes / *4P + 10 pilot pins inserts*

Coffrets portuaires / Dockside crane connection boxes

Proconect conçoit à la demande des coffrets portuaires étanches pour utilisation en surface ou en fosse. Ils peuvent être équipés des éléments suivants : interrupteur, disjoncteur, contacteur, verrouillage mécanique et/ou électrique…

Proconect designs on request watertight dockside crane connection boxes for both surface or pit installation. They can be fitted with following devices : fused switch, circuit breaker, contactor, mechanical and/or electrical interlocking…

DONNEES TECHNIQUES / TECHNICAL DATA

Liste des matières utilisées

Carcasses : alliage d'aluminium protégé contre la corrosion
Isolants : thermoplastique
Contacts : alliage de cuivre argenté
Visserie : inox
Joints : néoprène

List of material used

Casings: corrosion proof tempered cast aluminium
Inserts: thermo-hardening moulded plastic
Contacts: silver plated copper alloy
Screws and fastenings: stainless steel
Seals: neoprene

Les Contacts

Les contacts sont constitués de 2 parties distinctes :
- Une partie avant, mâle ou femelle servant à la connexion proprement dite.
- Une partie arrière, le fût, dans lequel on vient raccorder le câble (soudure, vissage ou sertissage). Il se termine par un cône fileté venant se visser à l'arrière du contact.

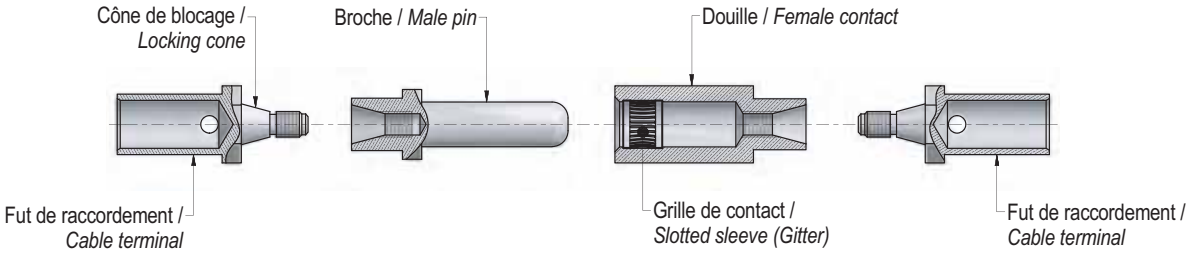
Contacts

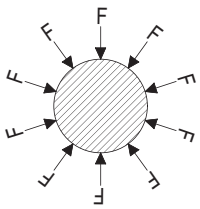
Contacts are built in 2 parts:
- *One front part, male or female used for the connection itself*
- *One back part, called the terminal, in which the cable is crimped, screwed or soldered. It is ended by a threaded cone to screw into the contact.*

Contact mâle IP2
Male contact

Fût / Back terminal

Contact femelle
Female contact



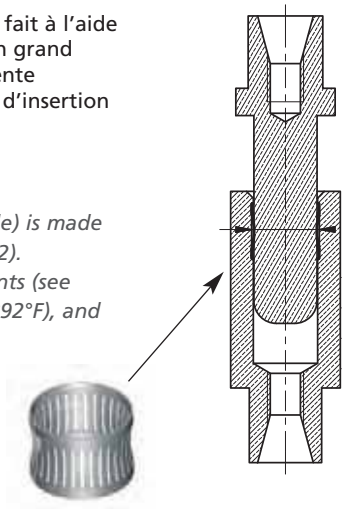


Contacts multipoints

Le contact entre la broche (mâle) et la douille (femelle) se fait à l'aide d'un contact à lamelles élastique en CuBe2 garantissant un grand nombre de points de connexion (voir tableau), une excellente résistance aux échauffements (jusque 200°C) et une force d'insertion très faible.

Multipoint contacts

The contact between the pin (male) and the socket (female) is made thanks to a silver-plated self cleaning slotted sleeve (CuBe2). This contact guaranties a great number of connection points (see table), an excellent temperature resistance (up to 200°C /392°F), and a low insertion force.



Diam. (mm)	Nb lamelles	Amp.
5	11	70
6	13	110
7	15	125
8	17	200
10	21	250
12	22	320
14	29	400
16	33	500
18	37	640
20	41	800
25,4	52	1000

IP2X (3PV4 - 3PV5 - 3PX4 - 3PX5)

Les contacts mâles

Les contacts mâles sont équipés **d'embout isolant** et sont montés dans des **isolants longs**, donnant à l'ensemble un niveau de **protection IP2X**, conformément aux exigences du décret 88-1056 du 14 novembre 1988. L'ensemble est livré dans les **parties émettrices** de courant (généralement les **embases** ou les **prolongateurs**).

Male contacts

Male contacts are equipped with an insulated cap and are fitted in long inserts. The annular gap between the insulator and the contacts is too small for the insertion of a finger (IP2X). These insulated contacts are delivered in the supply parts (generally sockets and cable-couplers).

Les contacts femelles

Les contacts femelles sont montés dans des isolants courts et sont livrés dans les parties réceptrices de courant (généralement les fiches ou les connecteurs).

Female contacts

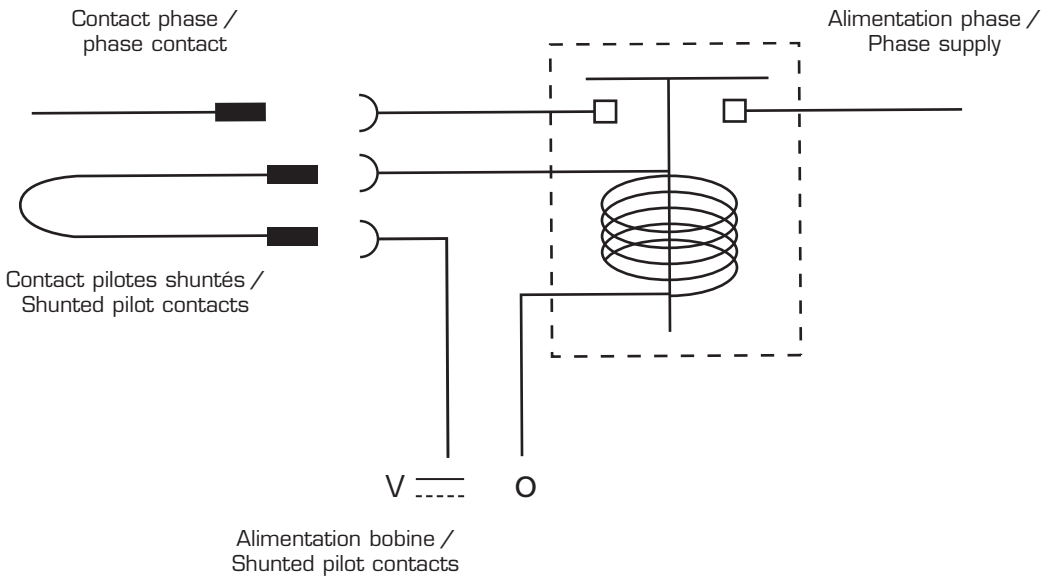
Female contacts are fitted in short inserts and are delivered in the receiving parts (generally plugs and appliance inlets).

Contacts pilotes / Verrouillage électrique

2 contacts pilotes sont livrés en standard dans tous nos connecteurs 3PV / 3PX.
Les contacts pilotes étant plus courts, ils se connectent après les contacts de phases et se déconnectent avant. Ils permettent ainsi d'éviter la coupure en charge. Pour cela, il suffit de relier les fils des pilotes à un contacteur (bobine) côté embase, et de shunter les fils pilotes (bridge) côté fiche.

Pilot pins / Electrical interlocking

2 pilot pins are delivered in standard in all our connectors 3PV / 3PX.
Pilot pins being shorten, they are last to connect and first to disconnect. Thus, they insure that no disconnection is made under load. To do so, pilot pins into the socket must be connected to a coil terminal, and pilot pins into the plug must be shunted.

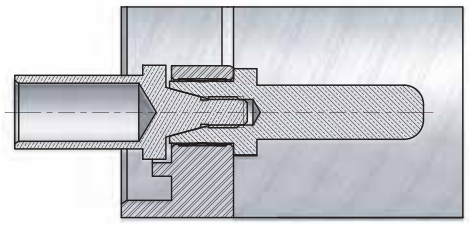


Mise à la terre

Le contact de terre est intégré à la carcasse et la continuité de la terre est garantie par la grille de contact.

Earthing

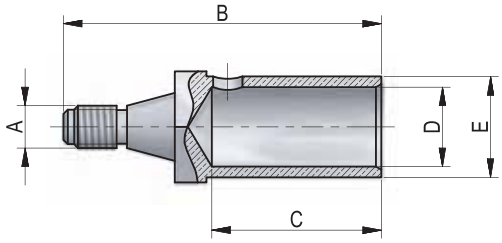
The earth contact is secured directly to the body shell and earth continuity is guaranteed by means of a gitter contact.

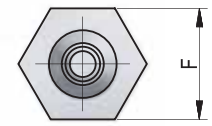


Carcasse / Casing

Raccordement des cables / Cable connection

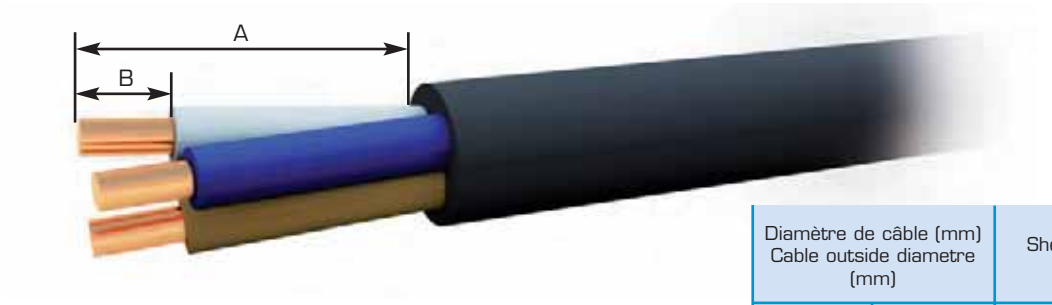
Dimensions des fûts / *Back terminals dimensions*





Section (mm²)		3PV4 / 3PX4						3PV5 / 3PX5						3PV6 / 3PX6					
		A	B	C	D	E	F	A	B	C	D	E	F	A	B	C	D	E	F
10	Tri Tetra							M8	43	15	Ø5,6	Ø8,1	21						
16	Tri Tetra							M8	43	13	Ø6,3	Ø8,8	21	M10	48	13	Ø6,3	Ø8,8	28
25	Tri Tetra	M5 M5	36 36	15 15	Ø8,2 Ø8,2	Ø11 Ø11	17 14	M8	43	15	Ø8,2	Ø11	21	M10	52	15	Ø8,2	Ø11	28
35	Tri Tetra	M5 M5	50 50	24 24	Ø9,5 Ø9,5	Ø13 Ø13	17 14	M8	57	24	Ø9,5	Ø13	21	M10	52	24	Ø9,5	Ø13	28
50	Tri Tetra	M5 M5	50 50	29 24	Ø10,8 Ø10,8	Ø14 Ø14	17 14	M8	52	24	Ø10,8	Ø14	21	M10	60	24	Ø10,8	Ø14	28
70	Tri Tetra	M5 M5	50 52	29 29	Ø13 Ø13	Ø17 Ø17	17 14	M8	56	29	Ø13	Ø17	21						
95	Tri Tetra	M5	55	30	Ø15	Ø19	17	M8	60	32	Ø15	Ø19	21	M10	66	35	Ø15	Ø19	28
120	Tri Tetra							M8	64	35	Ø16,5	Ø21	21	M10	66	35	Ø16,5	Ø21	28
150	Tri Tetra							M8	64	35	Ø18,5	Ø22,5	21						
185	Tri Tetra							M8	62	32	Ø21	Ø25	21	M10	74	43	Ø21	Ø26	28
240	Tri Tetra							M8	76	43	Ø23	Ø28	21	M10	74	43	Ø23	Ø28	28
300	Tri Tetra													M10	80	49	Ø27	Ø33	28

Taille maximum des câbles et conducteurs / Maximum conductor and cable sizes



	Diamètre de câble (mm) Cable outside diametre (mm)		L. Dégainage Sheathing stripping lengh (mm) A		L. dénudage * Insulation stripping lengh (mm *) B
	Min.	Max.	Phases	⏚	
3PV4	32	62	125	130	((voir tableau, page 37, cote C) (see table page 37, mark C)
3PX4 (60°)	32	60	110	150	
3PV5	45	80	150	165	
3PX5 (60°)	45	80	160	220	
3PX5 (DROITE/STRAIGHT)	45	80	200	210	
3PV6 (LONGUE/LONG)	45	80	220	220	
3PV6 (COURTE/SHORT)	52	100	145	145	
3PX6 (LONGUE/LONG)	45	80	220	220	
3PX6 (COURTE/SHORT)	52	100	145	145	

* Voir tableau "Dimensions des fûts", cote C.
* See table "Back terminals dimensions" mark C.

Sertir les câbles dans les fûts à l'aide d'une **pince à sertir** à **mâchoire hexagonale, en choisissant la machoire adaptée à la section du câble**.

***Crimp** the cables into the terminals, using a hexagonal **crimping tool**, with the jaw adapted to the cable section.*

Insérer les fûts dans l'arrière de l'isolant et les **bloquer dans les empreintes hexagonales** de l'isolant (attention : un fût mal inséré entraine un vissage insuffisant du contact dans le fût et donc de potentiels échauffements).

*Insert the terminals at the backside of the insert and **block them in the hexagonal shapes of the insert** (care: if terminals not correctly positioned, contacts will not be screwed enough and it may generate overheating).*

Positionner les contacts par l'avant de l'isolant et les visser dans les fûts à l'aide d'une **clé dynamométrique** équipée d'une douille longue 6 pans, en respectant le couple de serrage (voir tableaux ci-dessous).

*Introduce the contacts by the front side of the insert and screw them into the terminals, using a **wrench torque** fitted with a long hexagonal socket, respecting the torque (see tables below).*

Calibre / ***Contact***	**Taille douille** / ***Socket size (mm)***	**Calibre** / ***Contact***	**Taille douille** / ***Socket size (mm)***
MALE CAL 10	12	MALE CAL 16	17
FEM. CAL. 10	14	FEM CAL. 16	22
MALE CAL 12	17	MALE CAL 18	19
FEM. CAL. 12	19	FEM. CAL. 18	26
MALE CAL 14	19	MALE CAL 20	30
FEM. CAL. 14	21	FEM. CAL. 20	30

Couple de serrage / ***Tightening torque***

3PV4 / 3PX4 : 4 Nm
3PV5 / 3PX5 : 20 Nm
3PV6 / 3PX6 : 25 Nm