

Palazzoli

General
Catalogue



2019/2020

Palazzoli



CHIAREZZA DELLA FUNZIONE
SEMPLICITÀ DI PROGETTO
QUALITÀ DELLA MANIFATTURA

CLARITY OF FUNCTION
PROJECT SIMPLICITY
QUALITY OF MANUFACTURE



TUNNEL54



**Easy installation
in tight spaces**
Thanks to compact
dimensions and reduced
weight.



**High Index
Protection (IP) Rating**
Thanks to the IP66 protection rating
it is protected against water jets
used to clean the tunnels.



**No
limits**
Thanks to the AC3-AC23A
category at rated current.



The interlocked socket-outlets with plug of the TUNNEL 54 series are suitable for powering tunnel fans. The system is made in aluminium alloy and built to ensure continuity of service at 400 °C for 120 minutes in accordance with IEC/EN 12101-3 and 2004/54/EC. The socket is equipped with an isolator switch of AC3-AC23A category, with silver alloy contacts and contact holder discs in Palazzoli's high-thickness thermosetting GRP, to ensure non-deformability in the case of temperature changes due to temporary overloads. The cover is opened and closed using stainless steel captive screws. The isolator-switch operation is padlockable. The cable entry of the socket allows the connection of power lines with single-pole or three-pole cables up to a section of 35 mm², and with an additional box up to 185 mm². The system can be installed on the wall, in a channel, or with brackets by means of special kits.

Compliance
with standards

CEI EN 50200
CEI EN 50362
European Directive 2004/54/EC
ANAS 7735 memorandum
Guidelines for safety planning
in road tunnels
IEC/EN 60309-1
IEC/EN 60309-2
IEC/EN 60309-4

Material	Aluminium alloy
Surface treatment	Passivation with fluoro-zirconium treatment
Paint	Hot-polymerised non-toxic polyester
Protection rating (IP according to IEC/EN 60529)	IP66
Colour	RAL5012 (cover) RAL7035 (base)
Operating temperature resistance	400°C for 120'
Impact resistance (IK grade according to IEC/EN 62262)	IK10
Rated current	63A - 125A
Operating voltage	400V - 690V
Operating frequency	50-60Hz
Insulation class	I



Interlocked socket-outlets for fans up to 47kW for single-pole cables with plug 50-60Hz IP66 400°C 120'

Rated current (A)	Rated operating voltage	Poles	Auxiliary contact (AUX)	Palazzoli code	Pack Qty
63	380-415V	3P+⊕	1 NO	151611	1
	600-690V	3P+⊕	1 NO	151612	1

Equipment included: 1 63A 3P+⊕ IP67 plug in aluminium alloy. Complete with cable glands. External earthing terminal.
Features: padlockable handle.
Note: special configurations on request.



Interlocked socket-outlets for fans up to 47kW for multi-pole cables with plug 50-60Hz IP66 400°C 120'

Rated current (A)	Rated operating voltage	Poles	Auxiliary contact (AUX)	Palazzoli code	Pack Qty
63	380-415V	3P+⊕	1 NO	151613	1
	600-690V	3P+⊕	1 NO	151614	1

Equipment included: 1 63A 3P+⊕ IP67 plug in aluminium alloy. Complete with cable glands. External earthing terminal.
Features: padlockable handle.
Note: special configurations on request.

WEB - TUNNEL54

The website dedicated to systems for road, motorway, railway and underground tunnels is available on www.palazzoli.com





**Reducers for large-section
single-pole cables**
400°C 120'
850°C 90'
IP66

M40
Ø 15-27mm

Line cable cross-section (mm ²)	Terminals poles/section (mm ²)	Outer dimensions (mm)	Line cable glands (Ømm)	Palazzoli code	Pack Qty
from 50 to 70	3x70	185x252x152	M32 (11-21)	151533	1
from 95 to 120	3x125	252x315x193	M40 (15-27)	151534	1
from 150 to 185	3x200	315x315x193	M40 (15-27)	151535	1

Features: provision for internal and external earth connection.
M40 exit for 3x25mm² or 3x16mm² cables.

Notes: special configurations on request.



**Reducers for large-section
multi-pole cables**
400°C 120'
850°C 90'
IP66

M40
Ø 15-27mm

Line cable cross-section (mm ²)	Terminals poles/section (mm ²)	Outer dimensions (mm)	Line cable glands (Ømm)	Palazzoli code	Pack Qty
50	3x70	185x252x152	M50 (22-35)	151531	1
70	3x70	185x252x152	M63 (35-48)	151532	1

Features: provision for internal and external earth connection.
M40 exit for 3x25mm² or 3x16mm² cables.

Notes: special configurations on request.



Pair of brackets
in AISI 304 stainless steel
for wall-mounting
of sockets for fans

Applications	Palazzoli code	Pack Qty
wall-mounting with bracket	151541	1



Pair of brackets
in AISI 304 stainless steel
for wall-mounting
of sockets for fans

Applications	Palazzoli code	Pack Qty
for channel L 200mm	151542	1
for channel L 300mm	151543	1



Kit of screws in stainless steel
AISI 304 for **fastening sockets**
for fans to channel rod

Applications	Palazzoli code	Pack Qty
fixing on channel rod	151544	1



Interlocked socket-outlets
for fans up to **117kW**
in enclosure designed
to accommodate flanges
50-60Hz **IP66 400°C 120'**

Rated current (A)	Rated operating voltage	Poles	Palazzoli code	Pack Qty
63	400-690V	3P+⊕	151880	1
125	400-690V	3P+⊕	151881	1

Note: special configurations on request.



Plugs for fans
up to **117kW**
50-60Hz **IP66 400°C 120'**

M32
Ø 11-21mm

Rated current (A)	Rated operating voltage	Poles	Entry type	Palazzoli code	Pack Qty
63	400-690V	3P+⊕	M32	151890	1
125	400-690V	3P+⊕	M50	151891	1



Supports for ceiling mounting
of sockets for fans up to
117kW

Manufacturing material	Palazzoli code	Pack Qty
AISI 304 stainless steel	151900	1

Features: complete with adjustable support for ceiling, 50x30mm profile and socket fixing screws.



Flanges in aluminium alloy
for **multi-pole cables**
with **cable gland**
in brass **400°C 120'**
850°C 90'
IP66

Line cable glands	Tightening diameter (mm)	Palazzoli code	Pack Qty
M32	11-21	151930	1
M40	15-27	151931	1
M50	22-35	151932	1
M63	35-48	151933	1

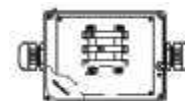


Flanges in aluminium alloy
for **single-pole cables**
with **cable gland**
in brass **400°C 120'**
850°C 90'
IP66

Line cable glands	Tightening diameter (mm)	Palazzoli code	Pack Qty
3 x M25	8-16	151940	1
3 x M32	11-21	151941	1
3 x M40	15-27	151942	1



Line junction boxes
for power supply lines
for tunnel fans
400°C 120'
850°C 90'
IP66



Line cable cross-section (mm²)	Terminals poles/section (mm²)	Outer dimensions (mm)	Line cable glands (ømm)	Palazzoli code	Pack Qty
3x10					
3x16	3x25	185x185x105	M40 (15-27)	151553	1
3x25					
3x35	3x40	252x185x152	M40 (15-27)	151564	1
3x50	3x70	252x185x152	M50 (22-35)	151575	1
3x70	3x70	252x185x152	M63 (35-48)	151585	1

Note: special configurations on request.

The background of the entire page is a night view of Earth from space, showing the illuminated continents and city lights. A network of glowing blue lines connects various points across the sky, resembling a constellation or a global communication network. A bright sun or star is visible on the horizon, creating a lens flare effect. The Palazzoli logo is positioned at the top center.

Palazzoli

— excellence —
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