

Power supply





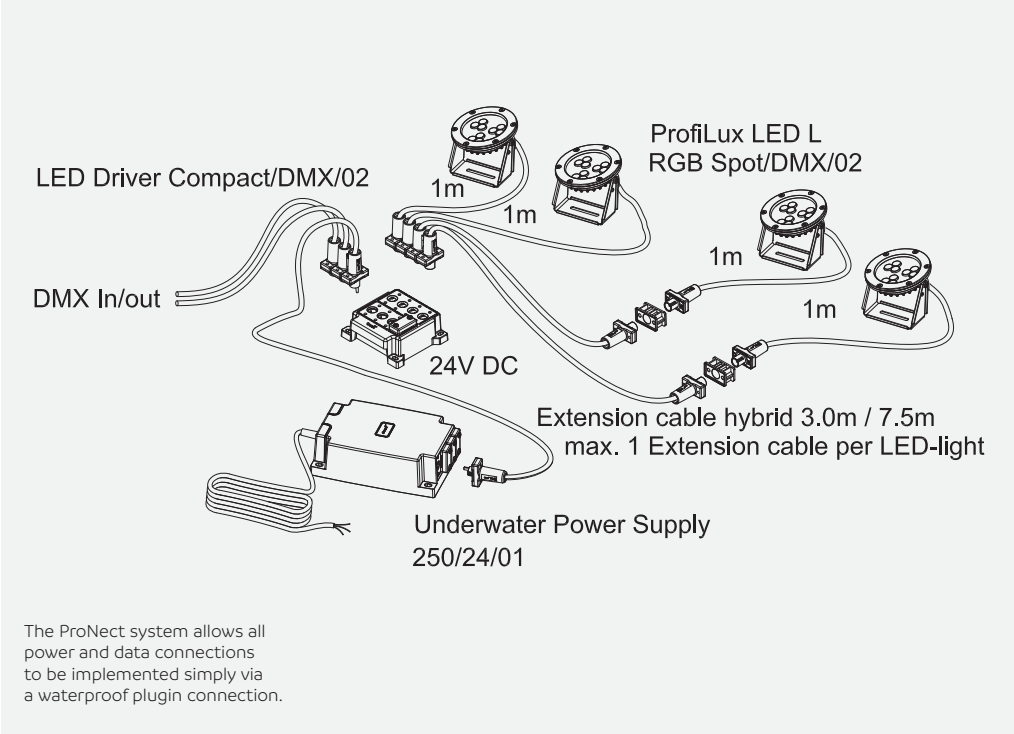


OASE ProNect: Advanced connection

With ProNect, we have developed the world's first underwater connection technology in accordance with the IP68 standard. The patented technology saves time and money – and guarantees extra safety. With ProNect, all power and DMX-RDM components can simply be plugged in.



OASE ProNect at a glance



- +** With ProNect, all power and DMX-RDM components can simply be plugged in
- +** The mechanical locking mechanism ensures correct connection to prevent short circuits
- +** IP68 certified to be waterproof up to a depth of 4 m
- +** Material and time saved during installation through the direct connection of the components in the water
- +** Switchgears can be smaller, since the components remain in the water

The system components benefit from ProNect technology

The simple plugin connection eliminates the need for wiring the components, which would increase the potential risk of faults This reliable approach extends through to the connection of end devices, such as JumpingJet or LED spotlights.



More about the product!

COMPONENTS

			
Control components	Underwater LED driver compact/DMX/02	Underwater switch 24 V DC compact/DMX/02	Underwater power supply 250/24 V/01
Item no.	70468	84956	50733
	> Page 322	> Page 304	> Page 300

								
Connection components	ProNect transition box	PowerBox 24 V DC/01	Power connection box 24 V	Hybrid connection box	DMX-Box / 01	24 V DC connecting cable	DMX connecting cable	Hybrid extension cable
Item no.	77880	50493	47930	56404	57646	-	-	-
	> Page 315	> Page 313	> Page 314	> Page 325	> Page 319	> Page 312	> Page 318	> Page 324

Underwater power supply

Simple, secure plugin system saves time and money



- + Fully encapsulated power supply with slots for easy connection of up to four consumers
- + Unique worldwide: Low-voltage consumers can be supplied – high savings in terms of time and material costs
- + Minimal installation effort without wiring thanks to the patented waterproof ProNect connectors



**ProNect
Connection**

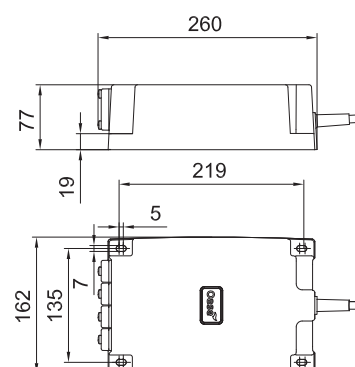
> From page 299

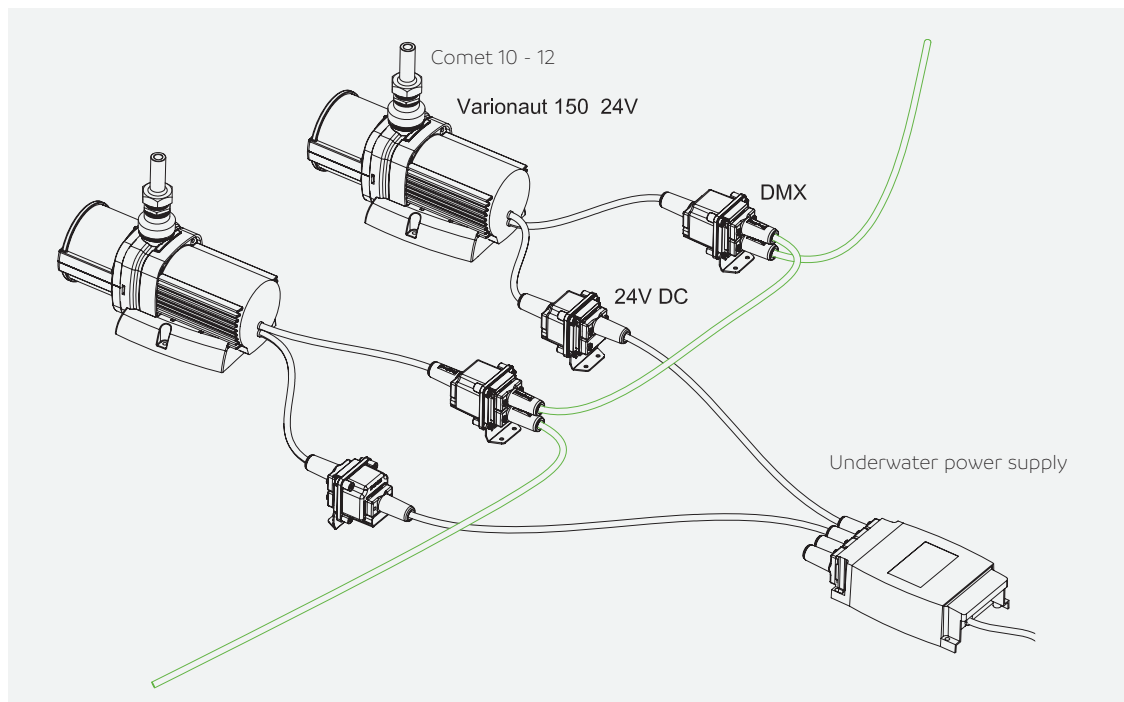


- + Also available for permanent use in the USA – UL-certified
- + Reduced Switchgear space requirements, fewer cables from the cabinet to the pool
- + Disconnection is simple for replacement or repair
- + Permanently safe operation of the connected devices

ACCESSORIES

Product		Item no.
Connecting cable 24 V DC/1.0 m/01	> Page 312	12762
Connecting cable 24 V DC/1.5 m/01	> Page 312	49629
Connecting cable 24 V DC/3.0 m/01	> Page 312	12552
Connecting cable 24 V DC/7.5 m/01	> Page 312	12553
Connecting cable 24 V DC/15.0 m/01	> Page 312	11720
PowerBox 24 V DC/01	> Page 313	50493





POWER & PROGRAMMING

Power supply

Underwater power supply

Suitable for

Fresh water, pool water and saltwater

Voltage

220–240 V, 110–120 V, 24 V DC

Frequency

50 Hz/60 Hz

Plug and Spray

TECHNICAL DATA



Product	Underwater power supply 250 24 V/01		Underwater power supply 250 24 V/01	
US certificates	–		MET (C/US)	
Dimensions (L × W × H)	[mm]	260 × 162 × 77	[inches]	10.24 × 6.38 × 3.03
Nominal input voltage		100–240 V AC		100–240 V AC
Nominal input frequency	[Hz]	50/60	[Hz]	50/60
Secondary voltage		25 V DC		25 V DC
Nominal power per output (Class 2)		–	[W]	80
Total rated power		–	[W]	240
Primary voltage		100–240 V AC ±10%		100–240 V AC ±10%
Primary current	[A]	Max. 3.5	[A]	Max. 3.5
Secondary current	[A]	10.5	[A]	3.2
Efficiency	[%]	≥90	[%]	≥90
Environmental conditions: Use underwater		Water temperature: min. 4°C to max 35°C		Water temperature: min. 4°C to max 35°C
Environmental conditions: Dry use		Ambient temperature max. 40°C with natural convection, no direct sunlight allowed		Ambient temperature max. 40°C with natural convection, no direct sunlight allowed
Slot		4 × 24 V DC		4 × 24 V DC
Max. immersion depth	[m]	4.00	[ft]	13
Protection class		IP68		IP68
Cable length	[m]	10.00	[ft]	20
Weight	[kg]	5.10	[lb]	10.60
Item no.		50733		40289

Please observe the international and local standards

POWER &
PROGRAMMING

Power supply
Switch-mode
power supply

Voltage
85–265 V AC,
24 V DC

Frequency
50 Hz/60 Hz

Switch-mode power supply

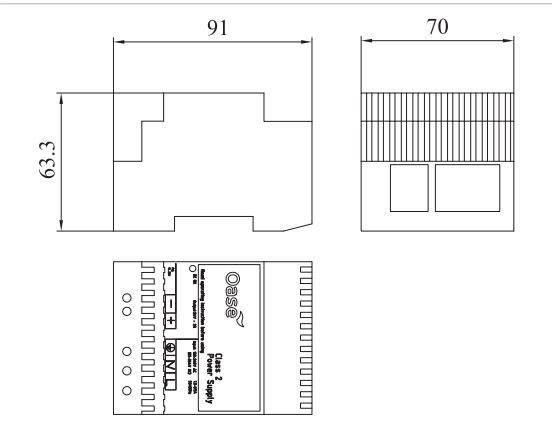
Universally applicable with wide-range input

⊕ Single-phase switch-mode power supply in a compact installation housing

⊕ Universally applicable thanks to wide-range input from 85 V AC to 265 V AC



⊕ Output with 24 V DC voltage



TECHNICAL DATA

Product	Power supply
	85/265V AC/24V DC60W/2.5A
Dimensions (L × W × H)	[mm] 70 × 91 × 63.3
Weight	[kg] 0.24
Item no.	43524



Underwater switch

Extra-fast switching times for impressive effects



+ Connect and control up to four end devices with individual switching times

+ For all AirNozzles, all single-colour 24 V DC spotlights, VarioDrop, VarioSwitch

+ Extremely short switching times of up to 0.05 seconds enable new effects

+ Fast, safe installation with patented ProNect underwater connection technology



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+ Degree of protection IP68

+ Output overload protection and reverse polarity protection

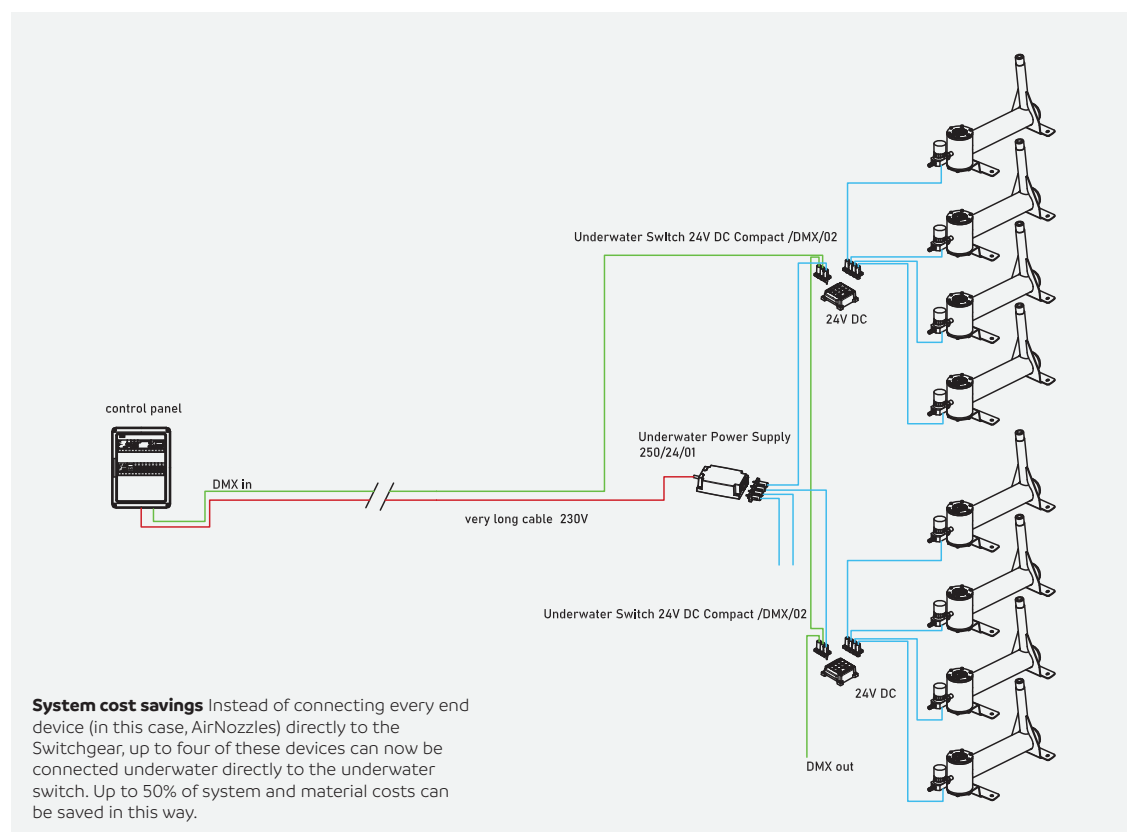
+ Input: 24 V DC in/out; DMX in/out // Output: 4 × 24 V DC switchable

+ Low overall costs due to material savings

+ Optimised housing in a compact design for easy connection of components

i System cost savings





POWER & PROGRAMMING

Power supply
Underwater switch

Suitable for
Fresh water, pool water and saltwater

Voltage
24 V DC

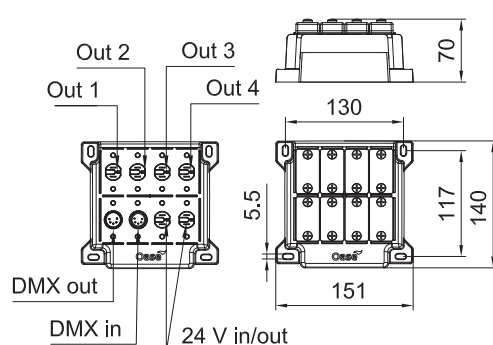
Control system
DMX/RDM

Plug and Spray



TECHNICAL DATA

Product	Underwater Switch 24 V DC Compact/DMX/02	
Dimensions (L x W x H)	[mm]	151 x 140 x 70
Slot (output)		4 x 24 V DC
Rated current	[A]	10.5
Rated voltage	[V]	24
Secondary current max.	[A]	4 x 4
Secondary voltage		4 x 24 V DC
Protection class		IP68; 4 m
DMX connection		Yes
Power connection type		PowerBox 24 V DC/01
Weight	[kg]	1.30
Item no.	84956	



POWER & PROGRAMMING

Power supply
Underwater cable clamp connectors

Suitable for
Fresh water

Voltage
220–240 V/400 V/
110–120 V, 12 V AC,
24 V DC

Frequency
50 Hz/60 Hz

Control system
DMX/RDM

Underwater cable clamp connectors

Easy installation and maintenance

+ With 4 × M20 cable glands

+ Field-tested connectors and isolators for electrical consumers in all areas of water technology

+ Max. easy connection and disconnection

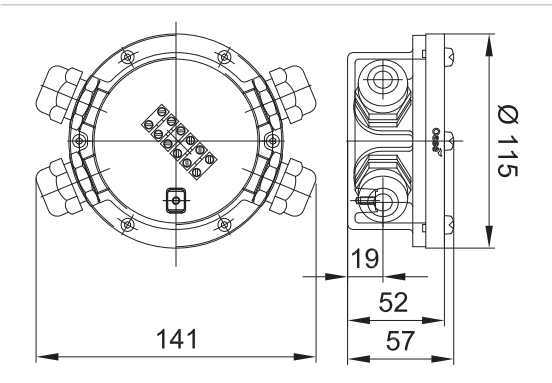
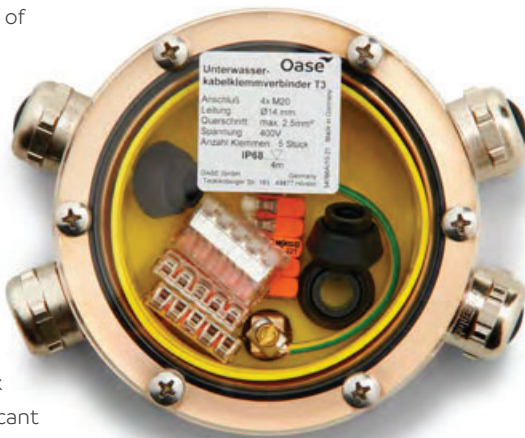
+ With transparent lid for easy inspection of the connections

+ Carry out service work quickly without significant downtime

+ Extremely corrosion resistant

+ Extremely simple maintenance

+ Including multiple blind plugs for the cable glands that are not required



TECHNICAL DATA

Product	Underwater cable connector T 3	
Dimensions (dia. × H)	[mm]	115 × 57
Protection class		IP68
Number of cable glands	[Unit]	4 × M20
Cable diameter	[mm]	6–14
Number of terminals	[Unit]	5
Number of terminals for protective grounding	[Unit]	1
Material		Bronze
Weight	[kg]	1.20
Item no.		51334

JunctionBox

Quick installation and maintenance – with up to 14 cable glands

POWER & PROGRAMMING

Power supply

JunctionBox

Suitable for
Fresh water

Voltage

220–240 V/400 V/
110–120 V, 12 V AC,
24 V DC

Frequency

50 Hz/60 Hz

Control system

DMX/RDM



With 8 or 14 M20 cable glands



Extremely simple maintenance



Field-tested connectors and isolators for electrical consumers in all areas of water technology



Extremely corrosion resistant



With transparent lid for easy inspection of the connections



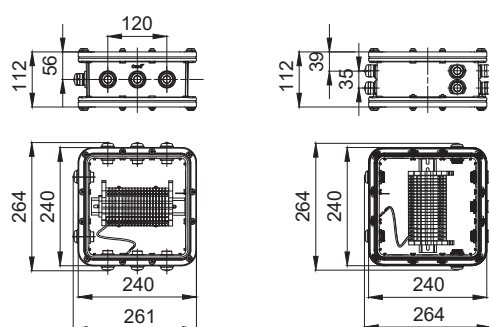
Max. ease of connection and disconnection



Including multiple blind plugs for the cable glands that are not required



Carry out service work quickly without significant downtime



JunctionBox 8/M20

JunctionBox 14/M20

TECHNICAL DATA

Product	JunctionBox 8/M20	JunctionBox 14/M20
Dimensions (L x W x H)	[mm] 264 x 261 x 112	264 x 264 x 112
Protection class	IP68	IP68
Number of cable glands	[Unit] 8 x M20	14 x M20
Cable diameter	[mm] 9–16	9–16
Number of terminals	[Unit] 16 (4 mm ²)	18 (4 mm ²)
Number of terminals for protective grounding	[Unit] 5 (4 mm ²)	6 (4 mm ²)
Material	PET-GF45/Makrolon	
Weight	[kg] 3.40	3.90
Item no.	57486	50358

POWER & PROGRAMMING

Power supply

Power splice 20

Suitable for

Fresh water,
pool water and
saltwater

Voltage

220–240 V/400 V/
110–120 V, 12 V AC,
24 V DC

Frequency

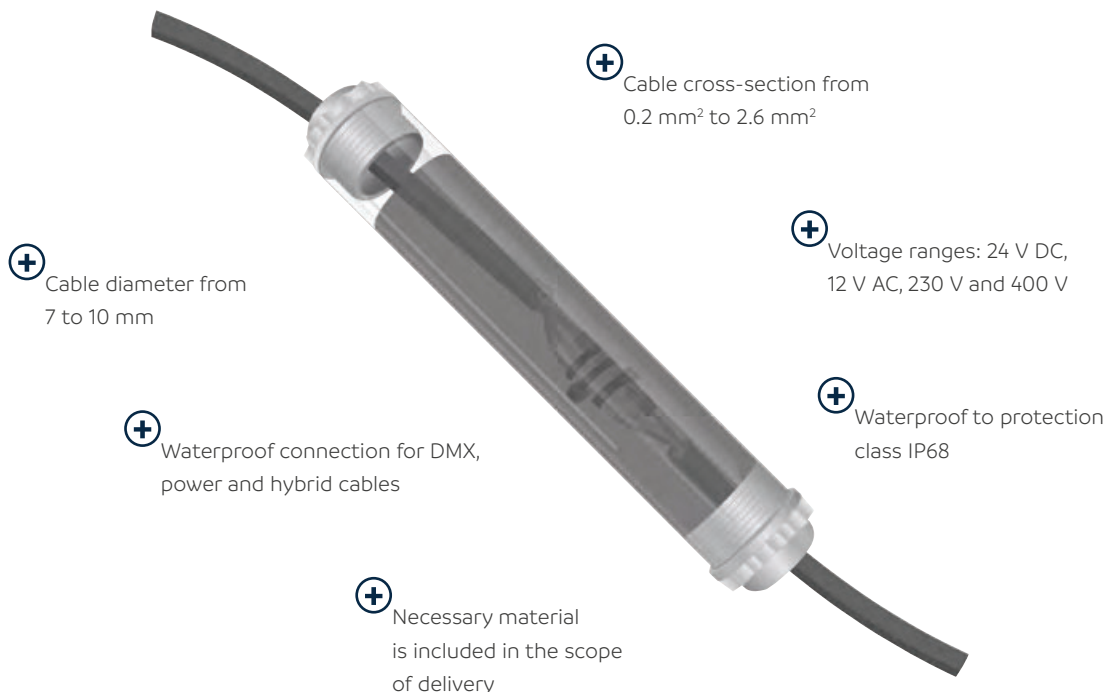
50 Hz/60 Hz

Control system

DMX/RDM

Power splice 20

Secure connection of cables with a diameter of 7 to 10 mm



PACKAGING UNIT



Included in delivery*

1. Two-component grout
2. Sandpaper
3. Protective gloves
4. Crimp connectors 0.2 mm²–0.5 mm²
5. Crimp connectors 0.6 mm²–1.0 mm²
6. Crimp connectors 1.1 mm²–2.6 mm²
7. Cable ties
8. Pipe with sealing plug

Tools required

Side cutters
Crimping pliers
Stripping tool
Cutter knives

* Set for 3 connections with 1 bag of grout.

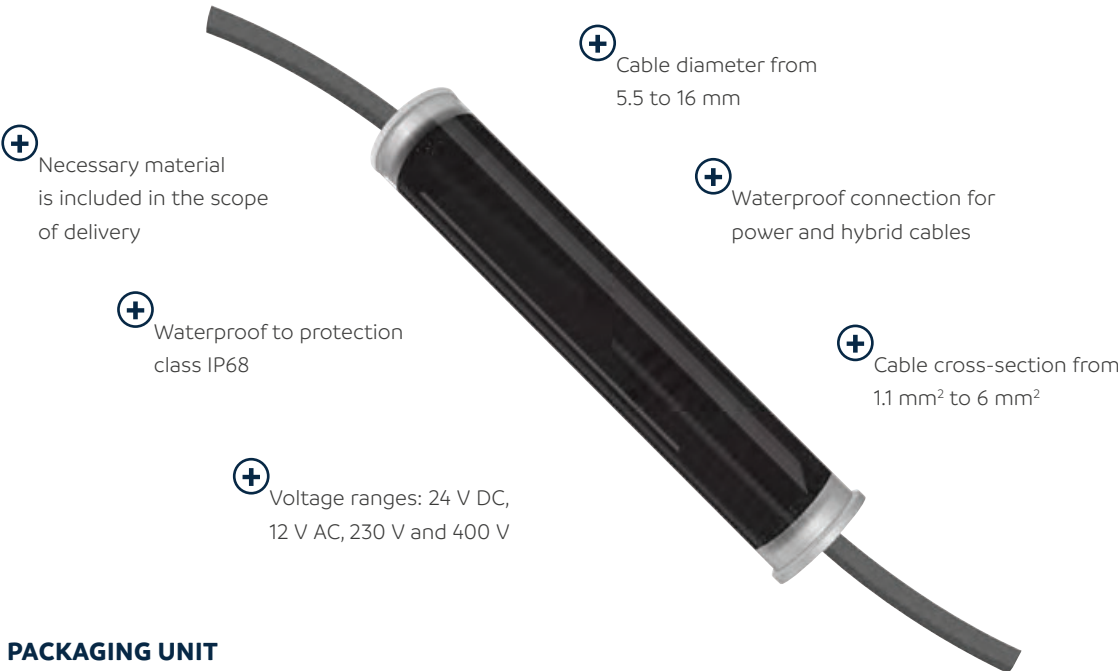
TECHNICAL DATA

Product		Power splice 20
Dimensions (dia. × H)	[mm]	26 × 150
Suitable for cables		DMX cable, hybrid cable, 24 V DC, 12 V AC, 230 V, 400 V cable
Protection class		IP68
Suitable for cable diameter	[mm]	7–10
Material		PET
Weight	[kg]	0.50
Packaging unit	[Unit]	3
Item no.		57648

Power splice 43

Secure connection of cables with a diameter of 5.5 to 16 mm

POWER & PROGRAMMING	
Power supply	Power splice 43
Suitable for	Fresh water, pool water and saltwater
Voltage	220–240 V/400 V/110–120 V, 12 V AC, 24 V DC
Frequency	50 Hz/60 Hz
Control system	DMX/RDM



PACKAGING UNIT



Scope of delivery* (the illustrated scope of delivery is included twice)

1. Two-component grout
2. Sandpaper
3. Crimp connectors 1.10 mm²–2.60 mm²
4. Crimp connectors 4 mm²–6 mm²
5. Lustre terminal 0.50 mm²–1.50 mm²
6. Lustre terminal 1.50 mm²–4 mm²
7. Lustre terminal 10 mm²
8. Protective gloves
9. Tape
10. Sealing plug d 11.5 mm
11. Sealing plug 8.5 mm
12. Sealing plug 5 mm
13. Sealing plug 4 x d 11 mm for the supplier
14. Pipe with sealing plug + fixing insert
15. Cable ties

Tools required

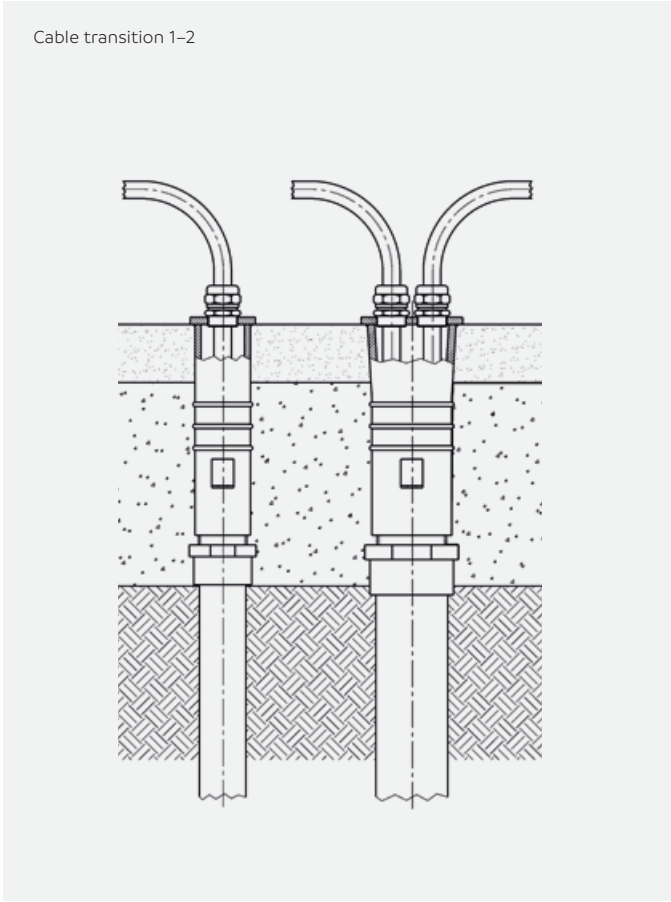
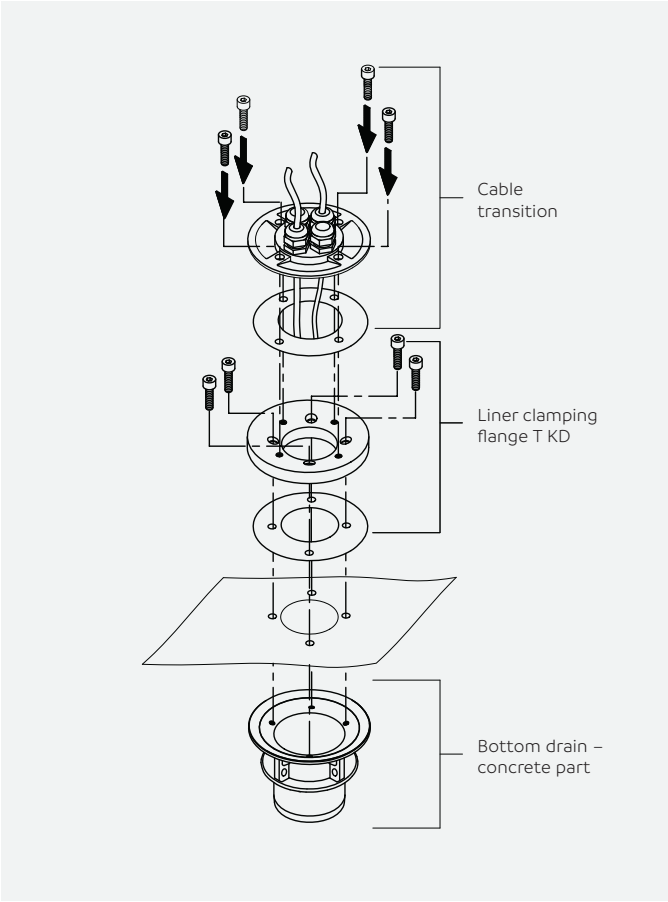
- Slotted screwdriver
- Side cutters
- Cutter knives
- Crimping pliers
- Stripping tool

* Set for 2 connections (VE 2).

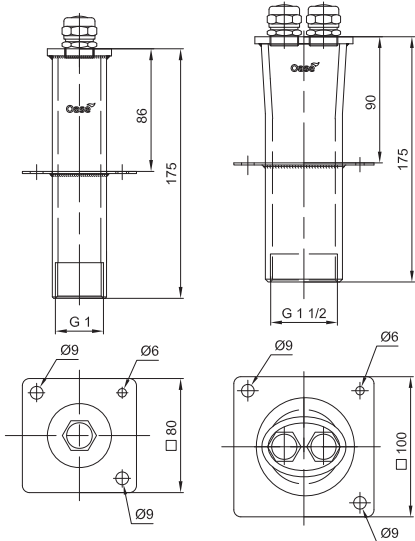
TECHNICAL DATA

Product	Power splice 43	
Dimensions (dia. x H)	[mm]	48 x 240
Suitable for cables	Hybrid cable, 24 V DC, 12 V AC, 230 V, 400 V cables	
Protection class	IP68	
Suitable for cable diameter	[mm]	5.5–16
Material	PET	
Weight	[kg]	0.70
Packaging unit	[Unit]	2
Item no.	57649	

Cable transitions



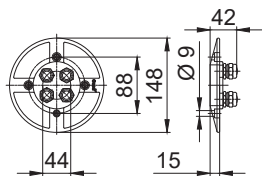
CABLE TRANSITION 1-2



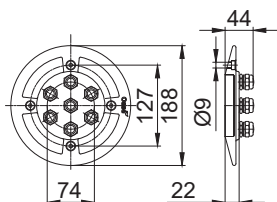
Cable transition 1/10 E Cable transition 2/15 E

		
Product	Cable transition 1/10 E	Cable transition 2/15 E
Dimensions (dia. × H)	[mm] 80 × 175	100 × 175
Number of Cable transitions	[Unit] 1	2
Cable diameter	[mm] 7–14	7–14
Connection	G 1	G 1 ½
Material	Stainless steel 1.4571 (AISI 316Ti)	
Weight	[kg] 0.60	0.90
Suitable for	Fresh water	
Product properties	> Professional connection to cable protection pipes > Waterproof IP68 cable transition for concrete basins > Number of cable transition: one or two, depending on the model > Plugin connection for connection to the sewer pipe or domestic installation pipe > Threaded connection for PE pipes > Can be used for cable diameters 7–14 mm > Connection G 1/G 1 ½ or 25 mm/38 mm > Made of high-quality stainless steel > Invisible guidance of electrical lines	
Item no.	51741	51740

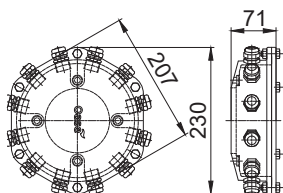
CABLE TRANSITION 4-12



Cable transition 4/70 T



Cable transition 7/100 T



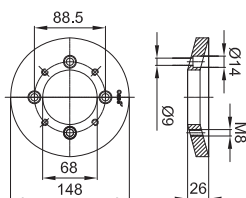
Cable transition 12/100 T



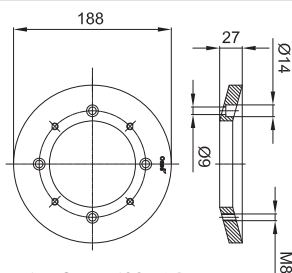
Product	Cable transition 4/70 T	Cable transition 7/100 T	Cable transition 12/100 T
Dimensions (dia. × H)	[mm] 148 × 50	188 × 50	230 × 70
Number of Cable transitions	[Unit] 4 × M20	7 × M20	12
Material	Bronze		
Weight	[kg] 1.10	1.90	5.50
Suitable for	Fresh water		
Product properties	> Waterproof IP68 cable transition for concrete basins, used with liner clamp flange for liner > Install and guide electrical cables with permanent protection > Threaded connection for 2" PE pipes, in conjunction with the concrete part 70 T > Plug-in connection for connection to the sewer pipe or domestic installation pipe in conjunction with the concrete part 70/100 T > Can be used for cable diameters 7–14 mm > Connection DN 70/DN 100 or 70 mm/100 mm in conjunction with the concrete part 70/100 T > Professional connection to cable protection pipes		
Item no.	57470	57464	57465

Please observe the international and local standards

LINER CLAMPING FLANGE T KD



Liner clamping flange 70 T KD



Liner clamping flange 100 T KD



Product	Liner clamping flange 70 T KD	Liner clamping flange 100 T KD
Dimensions (dia. × H)	[mm] 148 × 27	188 × 27
Material	Bronze	
Weight	[kg] 1.86	2.41
Suitable for	Fresh water	
Product properties	> Elegant and professional connection to the Cable transitions > Suitable for normal pool liners with or without fabric reinforcement > Max. thickness: 2.5 mm (not suitable for sealing strips according to DIN 18195) > Incl. seal and screws > Connection DN 70/DN 100 or 70 mm/100 mm in conjunction with the concrete part 70/100 T > Liner clamping flange for sealing liners	
Item no.	57473	57474

CONCRETE PART T

Product		Technical data	Item no.
Concrete part 70 T		Dimensions (dia. × H) [mm] 70 × 110 Material Bronze Weight [kg] 2.10	> Page 361 57471
Concrete part 100 T		Dimensions (dia. × H) [mm] 100 × 141 Material Bronze Weight [kg] 3.20	> Page 361 57467

POWER & PROGRAMMING

Power supply
Connecting cable
24 V

Suitable for
Fresh water,
pool water and
saltwater

Voltage
24 V DC

Plug and Spray

Connecting cable 24 V



Patented, simple, safe – the OASE ProNect underwater connector

+ Axial flat seals with integrated capillary lock

+ Patented, world's first IP68 24 V DC underwater connector

+ Transverse and longitudinal water tightness up to 4 m



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+ Cable with two connectors

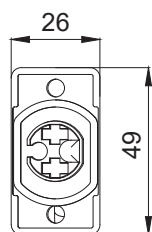


+ Seals are integrated directly into the connectors

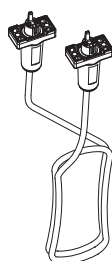
+ Power cable lengths from 1 m to 15 m

+ 24 V DC reverse polarity protection – incorrect connection is ruled out

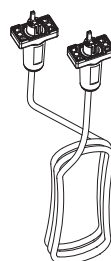
+ Easy installation – no need for complex wiring by electricians



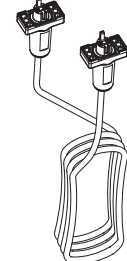
1.00 m cable



1.50 m cable



3.00 m cable



7.50 m cable



15.00 m cable

TECHNICAL DATA

Product		Connecting cable 24 V DC/01				
Cable length	[m]	1.00	1.50	3.00	7.50	15.00
Cable cross-section	[mm ²]	2 × 2.5	2 × 2.5	2 × 2.5	2 × 2.5	2 × 2.5
Weight	[kg]	0.30	0.38	0.75	1.53	2.92
Item no.		12762	49629	12552	12553	11720

PowerBox 24 V

Simply plug in instead of wiring

POWER & PROGRAMMING

Power supply
PowerBox 24 V

Suitable for
Fresh water,
pool water and
saltwater

Voltage
24 V DC

Plug and Spray

⊕ Patented ProNect underwater connector, 24 V DC

⊕ Connection without wiring

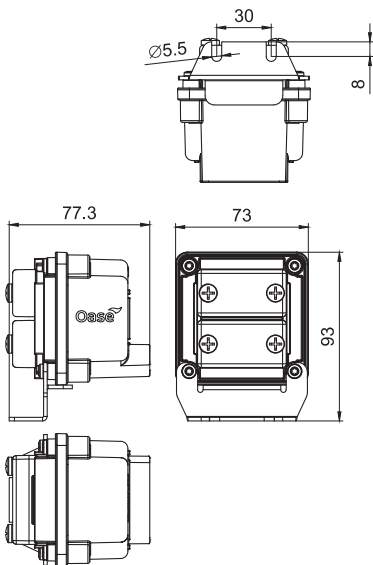
ProNect Connection

> From page 299



⊕ 24 V DC reverse polarity protection Bushing/bushing connection

⊕ Waterproof to IP68 up to 4 m



ACCESSORIES

Product		Item no.
Connecting cable 24 V DC/1.0 m/01	> Page 312	12762
Connecting cable 24 V DC/1.5 m/01	> Page 312	49629
Connecting cable 24 V DC/3.0 m/01	> Page 312	12552
Connecting cable 24 V DC/7.5 m/01	> Page 312	12553
Connecting cable 24 V DC/15.0 m/01	> Page 312	11720

TECHNICAL DATA

Product	PowerBox 24 V DC/01	
Dimensions (L × W × H)	[mm]	93 × 73 × 77.3
Material	Plastic/stainless steel	
Cable cross-section	[mm²]	2 × 2.5
Weight	[kg]	0.56
Item no.	50493	

POWER & PROGRAMMING

Power supply
Power connection
box 24 V

Suitable for
Fresh water,
pool water and
saltwater

Voltage
24 V DC

Plug and Spray

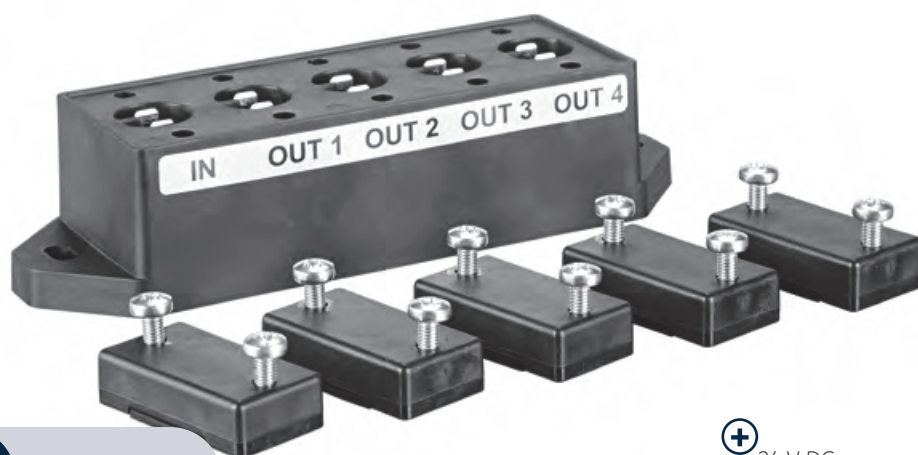
Power connection box 24 V

Secure and waterproof connection

+ Simple, secure ProNect connectors, 24 V

+ Plugin connections avoid
extensive wiring work

+ 1 × input, 4 × output,
all four outputs can only
be controlled in parallel



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+ 24 V DC reverse polarity
protection through plug
connection

+ Only one connection
box per line

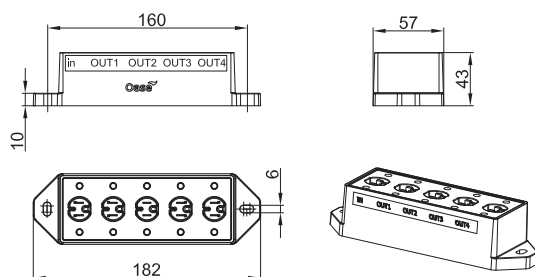
+ Waterproof to IP68
up to 4 m

ACCESSORIES

Product		Item no.
Connecting cable 24 V DC/1.0 m/01	> Page 312	12762
Connecting cable 24 V DC/1.5 m/01	> Page 312	49629
Connecting cable 24 V DC/3.0 m/01	> Page 312	12552
Connecting cable 24 V DC/7.5 m/01	> Page 312	12553
Connecting cable 24 V DC/15.0 m/01	> Page 312	11720

TECHNICAL DATA

Product	Power connection box 24 V	
Dimensions (L × W × H)	[mm]	182 × 57 × 43
Max. current consumption	[A]	10
Weight	[kg]	0.40
Item no.	47930	



ProNect Transition Box

Perfect for all OASE SplashKit components



POWER & PROGRAMMING

Power supply

ProNect transition box

Suitable for

Fresh water, pool water and saltwater

Voltage

24 V DC

Plug and Spray



Secure, easy installation of all 24 V DC and DMX cable connections with OASE SplashKit components



ULcertified



Only the box needs to be wired – everything else is taken care of with the patented ProNect connector



Reduced installation effort, reduced downtimes



For cable diameters from 6 to 17 mm thanks to variable nipples



Incl. magnetic switch as a terminal resistor for marking the last bus node of the DMX line



Connection options for loop-through of the DMX signal line and the 24 V DC power supply incl. earthing cable



Incl. grouting material for protection against moisture (IP68)



ProNect Connection

> From page 299



SplashKit Component

> See page 161



TECHNICAL DATA

Product	ProNect Transition Box
US certificate	MET (C/US)
Dimensions (L × W × H) [mm]	176 × 90 × 87
Suitable for cable diameter [mm]	6–17
Number of terminals [Unit]	12
Material	Plastic
Protection class	IP68
Weight [kg]	1.10
Item no.	77880

