

01 Specs 01Title	Underwater Switch 24V / DMX / 02	27.10.16 AO VS.04	Project No.																														
Item / No.	Description / Quantity / Unit	Unit Price	Total																														
01.1 Position	<p><b>Description:</b>  <b>RDM*-DMX compatible switch for 24 V DC Air nozzles &amp; white LED light range or other monochrome LED light incl. cables and connection boxes</b></p> <p>Suitable for dry and wet assembly.</p> <p><b>Environmental conditions for dry application:</b>  none</p> <p><b>Environmental conditions for wet application (waterquality):</b>  Installation and operation in fresh-, pool- and seawater.**</p> <p><b>Technical data:</b></p> <table> <tr><td>Material controller housing:</td><td>PBT</td></tr> <tr><td>Dimensions (L x W x H):</td><td>154 x 130 x 89 mm</td></tr> <tr><td>Nominal input voltage:</td><td>24 V DC</td></tr> <tr><td>Output voltage:</td><td>4 x 24V</td></tr> <tr><td>Max. input current:</td><td>10.5 A</td></tr> <tr><td>Max. output current:</td><td>4 x 2.5 A</td></tr> <tr><td>Protection class:</td><td>IP 68</td></tr> <tr><td>Weight:</td><td>2.9 kg</td></tr> <tr><td>DMX-RDM compatible:</td><td>Yes</td></tr> <tr><td>Number of output sockets:</td><td>4</td></tr> <tr><td>Pin allocation of output sockets:</td><td>Pin 1 : GND Pin 2: +24V</td></tr> <tr><td>Number of DMX channels:</td><td>4 / 1 per Output</td></tr> <tr><td>Configuration/Parameterization in build-in status:</td><td>Yes</td></tr> <tr><td>Overheating protection:</td><td>Yes</td></tr> <tr><td>Reverse polarity protection:</td><td>Yes</td></tr> </table> <p><b>Cables and Connection Boxes:</b>  All signals with galvanic separation in connection boxes.</p> <p>Housing material: PET-GF</p> <p><b>DMX-cabling:</b>  1 m DMX cable and DMX connection box  Cable (AES/EBU CableBinary 234 ): 4 x 0.34 mm<sup>2</sup>  DMX plug (XLR): 1 x In  1 x Out  Integrated water barrier: yes  Pin allocation: Pin 1: shield  Pin 2: minus  Pin 3: plus  Pin 4: n.c.  Pin 5: n.c.</p> <p><b>Power-cabling:</b>  1.0 m 24 V power cable and 24 V connection box  Cable (H07RN-F): 2 x 1.5 mm<sup>2</sup>  24 V Power Plug (input and output): 2 x special version  Integrated water barrier: Yes</p>	Material controller housing:	PBT	Dimensions (L x W x H):	154 x 130 x 89 mm	Nominal input voltage:	24 V DC	Output voltage:	4 x 24V	Max. input current:	10.5 A	Max. output current:	4 x 2.5 A	Protection class:	IP 68	Weight:	2.9 kg	DMX-RDM compatible:	Yes	Number of output sockets:	4	Pin allocation of output sockets:	Pin 1 : GND Pin 2: +24V	Number of DMX channels:	4 / 1 per Output	Configuration/Parameterization in build-in status:	Yes	Overheating protection:	Yes	Reverse polarity protection:	Yes		
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<p>*DMX RDM [Remote Device Managment] is a bidirectional bus for querying and programing of DMX-devices. A RDM control unit is capable of identifying connected devices and to -partial automatically- configure them. DMX RDM devices can be operated simultaneously with simple DMX devices at the same time.</p> <p>**</p>					
<b>water-quality-matrix</b>					
	<b>Freshwater</b>	<b>Poolwater</b>	<b>Seawater</b>		
PH.Value	7,2 -7,6	7,2 -7,6	8		
Hardness	8 -15 ° DH; 142 -267 ppm CaCo3	8 -15 ° DH; 142 -267 ppm CaCo3	20 -30 ° DH; 356 - 534 ppm CaCo3		
Free Chlorine	< 0,3 mg/l; < 0,036 moz/gal	0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal	< 0,3 mg/l; < 0,036 moz/gal		
Chlorine concentration	< 250 mg/l; < 30,28 moz/gal	< 200 mg/l; < 24,2 moz/gal	<=22000 mg/l; <=2664 moz/gal		
Salinity	n. d.	n. d.	<= 4%; <= 40.000 ppm		
Total Dry Residue	< 50 mg/l; < 6,06 moz/gal	< 50 mg/l; < 6,06 moz/gal	< 250mg/l; < 30,28 moz/gal		
Temperature	4 -35° C; 39 - 95 ° F	4 -30° C; 39 - 86 ° F	4 - 20 ° C; 39 - 68 ° F		
Supply and delivery according to manufacturer specifications.					
Product / proof of delivery:					
<b>Underwater Switch 24V / DMX / 02</b>					
<b>Art. 56411</b>					
OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800					
(or equivalent)					
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Entered by the bidder					