



Datenblatt - Fiche technique - Data sheet

21.17.0348



ROLINE MPO-Modul, MPO-Stecker / 12x LC-Buchse

ROLINE Module MPO, MPO mâle / 12x LC femelle

ROLINE MPO-Modul, MPO-Male /12x LC - Female

1

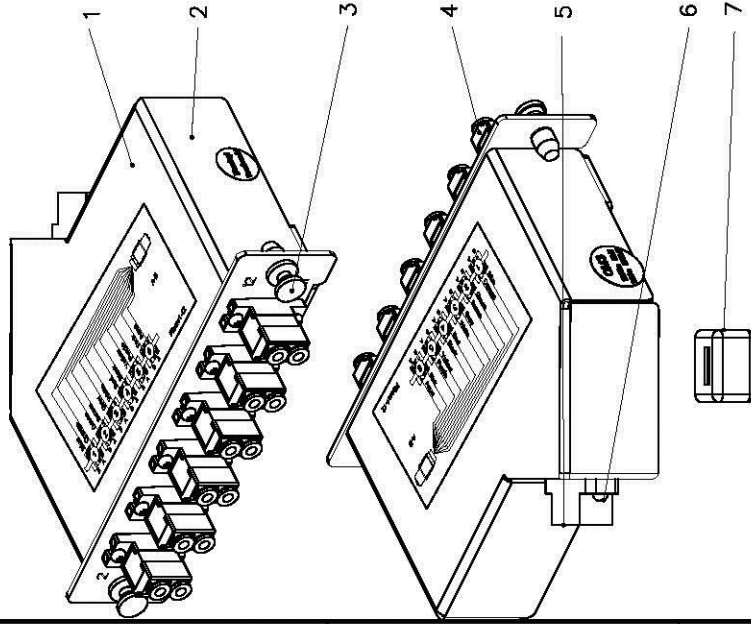
2

3

4

5

6



SCALE 1/2

C Specification :

Material :

1. Top Case: 1.5mm thickness, SPCC, BK(RAL9005).
2. Bottom Case: 1.5mm thickness, SPCC, BK(RAL9005).
3. Plunger: 2 pcs, Snap Rivet, Male Nylon/Female PC material, Black color.
4. LC Adaptor: 6 pcs, Multimode, LC Duplex (SC Footprint) Type, w/Phosphor Bronze Sleeve, UL 94-V0, Aqua color.
5. MPO Adaptor: A Type Key Up to Key Down, 1 piece, PBT, UL V-0, Black color.
6. Screw: 14 pcs, M2.0x6.0 Zinc Plated, Wafer Head, Black color.
7. MPO Dust Cover: 1 piece, TPR, Black color.
8. Screw: 2 pcs, M3.0x4.0/4.5mm Zinc Plated, Wafer Head, Black color.
9. Harness Patch Cord: 1 pcs, Low loss MPO(Male) to LC OM3 12C Patch cord 30cm Female

Performance :

- Dimension: 1.18" x 3.59" x 5.12"
(30.0 x 91.1 x 130.0mm)
- Weight: 0.40kg.
- Surface Finished: Painted, BK(RAL9005)

1

2

0

3

4

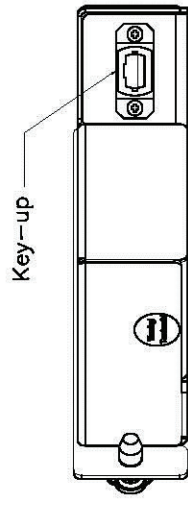
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10cm

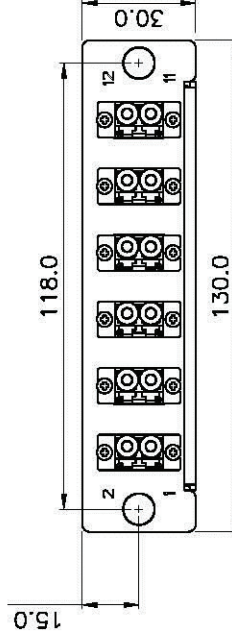
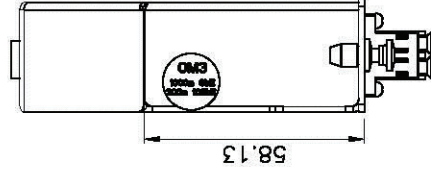
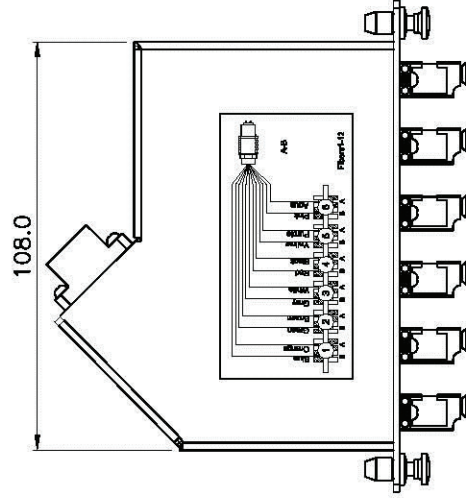
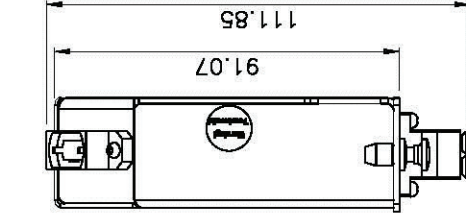
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S

6



Key-up



DRAWING		28.DEC.2012		YAN	
		CHECK		28.DEC.2012	
APPROVAL		28.DEC.2012		FRANK	
SCALE		1/2 (A4)		UNIT	
GENERAL TOLERANCE OF DIMENSIONS		DATE		NAME	
X.XXX ±0.005		mm		ITEM NO.:	
X.XX ±0.05		DRAWING NO.		ROLINE MPO - Module, MPO M / 12x LC F	
X.X ±0.1		DRAWING CLASSIFICATION		S	
		SHEET		1 OF 2	

rotronic

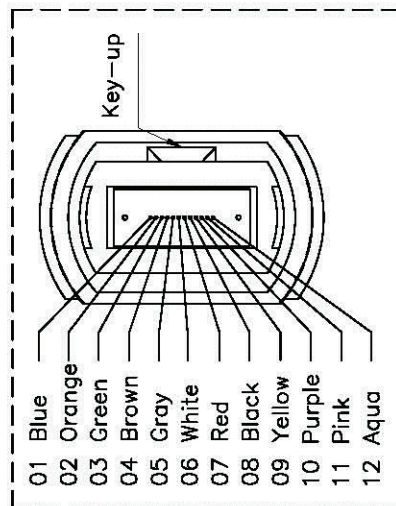
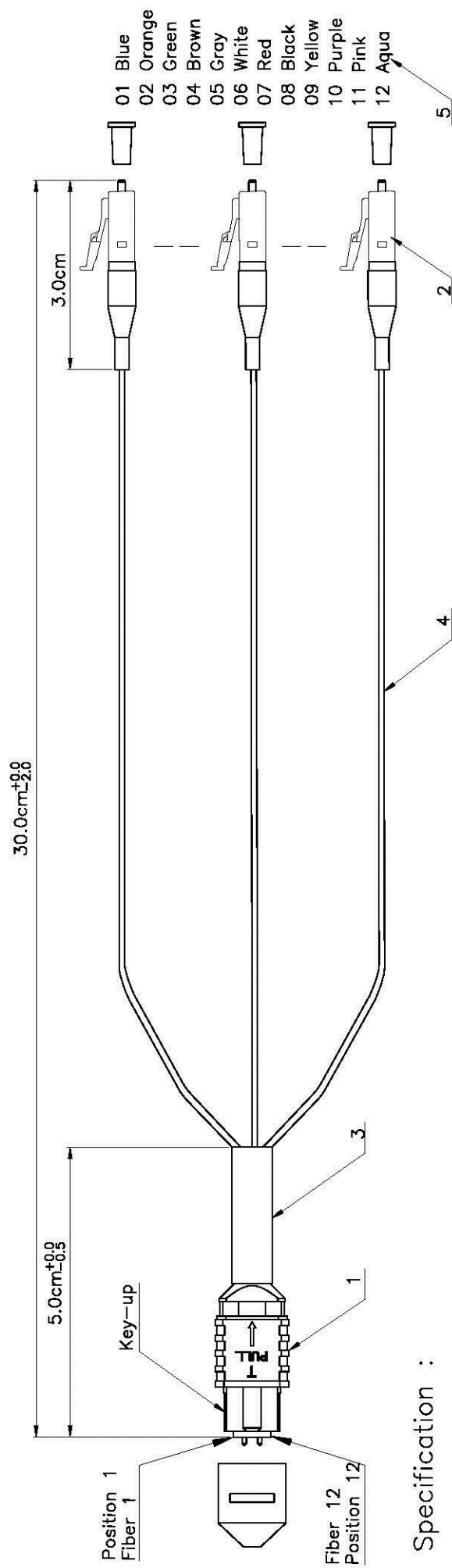
ITEM NO.: 21.17.0348

ROLINE MPO - Module, MPO M / 12x LC F

DRAWING NO. 12P LC LGX cassette (S01)

DRAWING CLASSIFICATION S SHEET 1 OF 2

10cm



Connector Section (SCALE 3/1)

Specification :

Material :

1. Connector Type : Guide Pin MPO Multimode, Male Connector
 - 1-1. Protective Cap : TPR, Black color
 - 1-2. MT Ferrule : 12 Fibers, PPS, Black color, Multimode, Lo
 - 1-3. MPO Housing : PBT, Aqua color
 - 1-4. Strain Relief Boot : TPR, Black color
2. Connector Type : LC Multimode, Ivory Color
 - 2-1. Protective Cap : PP, White color
 - 2-2. Ferrule : $\phi 1.25\text{mm}$, Zirconia, Multimode, Low loss
 - 2-3. LC Housing : PEI, Ivory color
 - 2-4. Strain Relief Boot : PVC, White color
3. Shrink Tube : 2.0cm, Use Black Heat Shrink Tube
4. Tubing Type:
 - 4-1. Fiber : OM3 50/125um Multimode.
 - 4-2. 12 tubes Hytel material, 0.9mm tube 12 Colors
5. Fanout MPO(Male) to LC OM3 12C Patch cord 30cm Female
 - 1(Blue)/2(Orange)/3(Green)/4(Brown)/5(Gray)/6(White)/7(Red)/8(Black)/9(Yellow)/10(Purple)/11(Pink)/12(Aqua)

Performance :

- a. Insertion Loss :
LC Type : < 0.50 dB
MPO Type : < 0.35 dB
- b. Fiber Extension(LC) :- 0.05um < H < +0.05um
- c. Fiber overcut(MPO) : 1~3um
- d. Apex Offset : < 50um
- e. Operating Temperature : -20°C to +70°C
- f. Storage Temperature : -40°C to +80°C



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ROLINE MPO - Module, MPOM / 12x LCF

"H": Matching DIM.
 "I": Important DIM.
 Others General DIM.

GENERAL TOLERANCE
 OF DIMENSIONS

X.XXX	±0.005
Y.YY	±0.05
Z.Z	±0.5

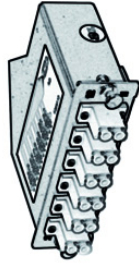
DRAWING	28.DEC.2012	YAN
CHECK	28.DEC.2012	MAER
APPROVAL	28.DEC.2012	FRANK
	DATE	NAME
SCALE	1/1 (A4)	UNIT
		mm

No.	MODIFIED AREA	ORIGINAL	MODIFY	DATE	MODIFIER

OM3 LC-LC
(A-B)



MPO Module
(12x LC-MPO male)



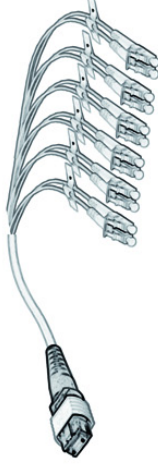
MPO Trunk Cable
(female-female)



MPO Coupler



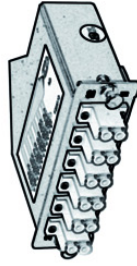
MPO Fan-Out Cable
(MPO male-12x LC)



OM3 LC-LC
(A-B)



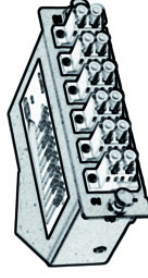
MPO Module
(12x LC-MPO male)



MPO Trunk Cable
(female-female)



MPO Module
(MPO male-12x LC)



OM3 LC-LC
(A-A)

