

lubrication systems



MSYSTEM

Centralized Lubrication Systems
for On-Road Vehicles



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ILC MAX

How to build the Part N.



| 40 | . | 4 | . | 24DC | . | FCT | . | G |



A (Reservoir)

2	2 kg
4	4 kg
8	10 kg

C (Pumping Element)

F	Fixed
R	Adjustable

D (Timer)

CT	with timer
ST	without timer

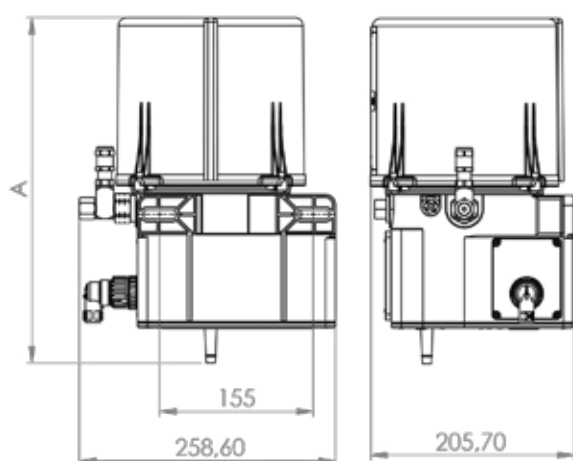
B (Voltage)

12DC	12 V DC
24DC	24 V DC
24AC	24 V AC
115V	115 V AC
230V	230 V AC

E (Lubricant)

G	Grease
O	Oil
S	Soft Grease

Dimensions



A (height)

2 kg	277,60 mm
4 kg	349,60 mm
10 kg	543,10 mm

Cables

Lenght	4 Poles	7 Poles
5 m	40.CBL.4.05	40.CBL.7.05
10 m	40.CBL.4.10	40.CBL.7.10
15 m	40.CBL.4.15	40.CBL.7.15

Outlet Fittings Ø 6 mm

ZZZ106-105-L	Elbow
ZZZ106-005-L	Straight

Fixing Screws (order 2 of each one)

UNI5931-M8x30	Screw
UNI7473-M08	Nut
UNI1734-D08	Washer

MINI-MAX

How to build the Part N.

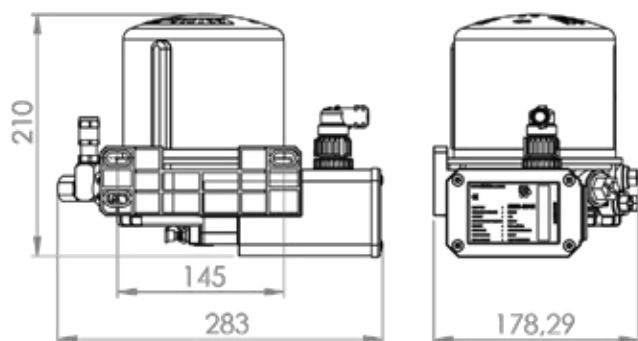


| 39 | . | 12 | . | T L | . | F R | . | AAAAAAAAAA |



A (Voltage)		D (Metering Pump. Elem.)	
12	12 V DC	F	Fixed
24	24 V DC	R	Adjustable
		X	No Elem.
B (Timer)		E (Pumping elements)	
T	with timer	A	Metering 5 mm ³
X	without timer	B	Metering 10 mm ³
		C	Metering 15 mm ³
		D	Metering 25 mm ³
		E	Metering 50 mm ³
C (Electrical level)			
L	with level		
X	without level		

Dimensions



Cables

Lenght	4 Poles	7 Poles
5 m	40.CBL.4.05	40.CBL.7.05
10 m	40.CBL.4.10	40.CBL.7.10
15 m	40.CBL.4.15	40.CBL.7.15

Outlet Fittings Ø 6 mm

ZZZ106-105-L	Elbow
ZZZ106-005-L	Straight

Fixing Screws (order 2 of each one)

UNI5931-M8x30	Screw
UNI7473-M08	Nut
UNI1734-D08	Washer

DPX



Segments

Tie Rods	N° of Elements	Length (mm)
2.TR.03	3	45
2.TR.04	4	60
2.TR.05	5	75
2.TR.06	6	90
2.TR.07	7	105
2.TR.08	8	120
2.TR.09	9	135
2.TR.10	10	150
2.TR.11	11	165
2.TR.12	12	180

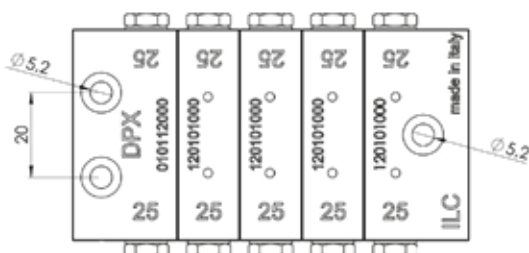
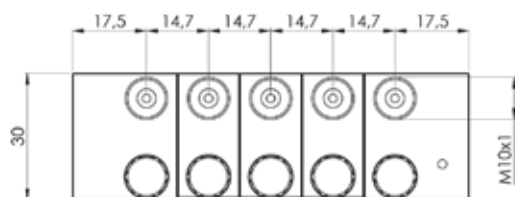
Metering Elements

Discharge	Inlet	Intermediate	End
25 mm ³	2.A.025.D.1N	2.B.025.D.1N	2.C.025.D.1N
45 mm ³	2.A.045.D.1N	2.B.045.D.1N	2.C.045.D.1N
75 mm ³	2.A.075.D.1N	2.B.075.D.1N	2.C.075.D.1N
105 mm ³	2.A.105.D.1N	2.B.105.D.1N	2.C.105.D.1N

Metering Elements with Visual Pin

Discharge	Inlet	Intermediate	End
45 mm ³	2.A.045.D.2V	2.B.045.D.2V	2.C.045.D.2V
75 mm ³	2.A.075.D.2V	2.B.075.D.2V	2.C.075.D.2V
105 mm ³	2.A.105.D.2V	2.B.105.D.2V	2.C.105.D.2V

Dimensions



Cables

Lenght	M8x1 Straight	M12x1 Elbow	M12x1 Straight
5 m	A91.111227	A91.111441	A91.111349
10 m	A91.111348	A91.111552	A91.111296
15 m	A91.111393	A91.111318	A91.111350

Sensor Kit (PNP NA)

With Cable (2 m)	49.052.5
M8 x 1	49.052.7
M12 x 1	49.052.9

Fixing Screws (order 2 of each one)

UNI5931-M5x40	Screw
UNI7473-M05	Nut
UNI8842A-D05	Washer

DPL

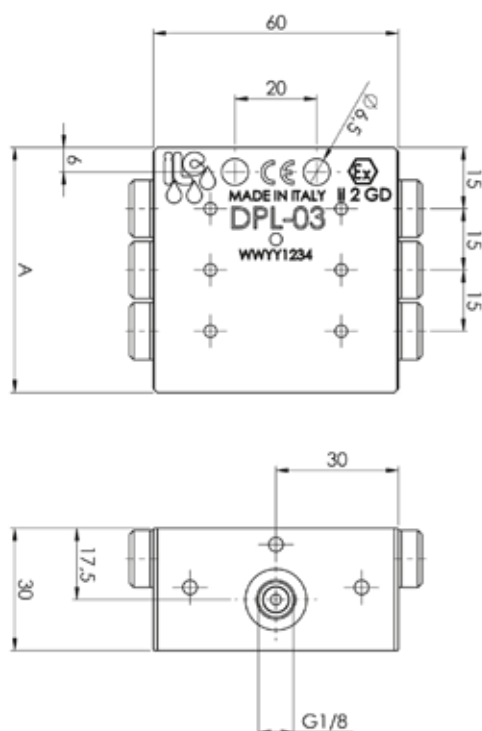


Outlets	Standard	Visual Pin
6	4.1N.03	4.2V.03
8	4.1N.04	4.2V.04
10	4.1N.05	4.2V.05
12	4.1N.06	4.2V.06
14	4.1N.07	4.2V.07
16	4.1N.08	4.2V.08
18	4.1N.09	4.2V.09
20	4.1N.10	4.2V.10

Complete of Inductive Sensor

Outlets	M8x1	M12x1
6	4.3I.8.03	4.3I.12.03
8	4.3I.8.04	4.3I.12.04
10	4.3I.8.05	4.3I.12.05
12	4.3I.8.06	4.3I.12.06
14	4.3I.8.07	4.3I.12.07
16	4.3I.8.08	4.3I.12.08
18	4.3I.8.09	4.3I.12.09
20	4.3I.8.10	4.3I.12.10

Dimensions



Cables

Lenght	M8x1 Straight	M12x1 Elbow	M12x1 Straight
5 m	A91.111227	A91.111441	A91.111349
10 m	A91.111348	A91.111552	A91.111296
15 m	A91.111393	A91.111318	A91.111350

Sensor Kit (PNP NA)

With Cable (2 m)	49.052.5
M8 x 1	49.052.7
M12 x 1	49.052.9

Fixing Screws (order 2 of each one)

UNI5931-M6x40	Screw
UNI7473-M06	Nut
UNI8842A-D06	Washer

Inlet / Outlet Fittings



Inlet				Outlet			
Straight	Elbow	Tube Ø 6	Divider	With Check Valve	No Check Valve	Tube Ø 6	Divider
ZZZ106-004	ZZZ106-104	1/8" BSP	DPX-N/DPL	ZZZ106-003-RVV	ZZZ106-003	M10x1	DPX-N
ZZZ106-003	ZZZ106-103	M10x1	DPX-N	14.052.0	03.222.1.06	M10x1	DPL

Check Valves



Inlet			Outlet		
Check Valve	Thread	Divider	Check Valve	Thread	Divider
14.050.3	1/8" BSP	DPX-N/DPL	14.050.8	M10x1 (F)	DPX-N
14.050.4	M10x1 (F)	DPX-N	03.222.2.CV	M10x1	DPL

Divider Accessories



DPX-N Plug		DPL Plug	
Part N.	Thread	Next Outlet Plug	Other Side Plug
A70.093229	M10x1	05.026.1	05.026.0



DPX-N Bridges		Banjo		
Without Outlet	With Outlet	Part N.	Thread	Divider
09.600.3	09.600.4	03.355.5	1/8" BSP	DPX-N/DPL
		03.355.6	M10x1	

Hose fittings



Sleeve

Straight	Key
ZZZ100-050	SW12

Stud 45°

Part N.	L	Key
ZZZ100-058	25 mm	SW10



Stud Straight

Part N.	L	Key
ZZZ100-051	30 mm	SW10

Stud Elbow

Part N.	L	Key
ZZZ100-053	37 mm	SW10

Hoses



High Pressure 8.6 x 4 mm (min. 100 m)

ZZZ100-001	NLG12 Full
ZZZ100-002	Empty

Polyamide 6 x 3 mm (min. 100 m)

30.161.0.NP	NLG12 Full
30.155.3.N	Empty

Steel Tube (6 m)

ZZZTC6/4/1	Ø 6 mm
ZZZTC10/5/2.5	Ø 10 mm

Protections



Helix Protection (min. 50 m)		Flexible Conduit (min. 50 m)		Metallic Protection (6 m)	
ZZZ100-040	Ø 6 mm	ZZZ1212079	Ø 6.9 mm	ZZZ00208210	Ø 6 mm
ZZZ100-041	Ø 11.5 mm				

Clamps and Straps

Connectors



Hose Clamps		Hose Strap		Hose-Hose Connector	
Part N.	Size	Part N.	Length	Part N.	Thread
ZZZ100-606	Ø 6 mm	A91.111273	380 mm	ZZZ106-000	Ø 6 mm
ZZZ100-608	Ø 8 mm	A91.111274	200 mm	ZZZ106-000-10-L	Ø 6 mm - 10 mm
ZZZ100-610	Ø 10 mm				
ZZZ100-612	Ø 12 mm				
ZZZ100-614	Ø 14 mm				
ZZZ100-616	Ø 16 mm				
ZZZ100-618	Ø 18 mm				
ZZZ100-620	Ø 20 mm				
Fixing					
UNI5931-M6x20	Screw				
UNI1734-D06	Washer				
UNI7473-M06	...				

Point Fittings



Straight	Tube Ø 6	Elbow	Tube Ø 6
ZZZ106-001	M6x1	ZZZ106-101	M6x1
ZZZ106-002	M8x1	ZZZ106-102	M8x1
ZZZ106-003	M10x1	ZZZ106-103	M10x1
ZZZ106-004	1/8"	ZZZ106-104	1/8"
ZZZ106-005-L	1/4"	ZZZ106-105-L	1/4"

Elbow Adapter M-F

Extension Pieces M-F



ZZZ100-721	M6x1 - M8x1	ZZZ100-130	M8x1-M8x1	18 mm
ZZZ100-722	M8x1 - M8x1	ZZZ100-137	M8x1-M10x1	23 mm
ZZZ100-723	M10x1 - M8x1	ZZZ100-140	M10x1-M8x1	18 mm
ZZZ100-724	1/8" - M8x1	ZZZ100-141	M10x1-M10x1	23 mm
ZZZ100-733	M10x1 - M10x1	ZZZ100-142	M10x1-M10x1	18 mm
ZZZ100-744	1/8" - 1/8"	ZZZ100-143	M10x1-M10x1	40 mm

45° Adapter M-F



ZZZ100-822	M8x1 - M8x1
ZZZ100-833	M10x1 - M10x1
ZZZ100-844	1/8" - 1/8"

ZZZ100-145	M10x1-M10x1	35 mm
ZZZ100-146	M10x1-M10x1	50 mm
ZZZ100-148	M8x1-M8x1	23 mm
ZZZ100-149	M8x1- M8x1	35 mm
ZZZ100-151	1/8"- M10x1	18 mm
ZZZ100-152	1/8"- 1/8	18 mm
ZZZ100-153	1/8"- 1/8"	50 mm

Greasing Block 1/8"



Part N.	Outlets
01.110.1	1
01.110.2	2
01.110.3	3
01.110.4	4
01.110.5	5
01.110.6	6
01.110.7	7
01.110.8	8

Greasing Block M10x1



Part N.	Outlets
ZZZ100-211	1
ZZZ100-212	2
ZZZ100-213	3
ZZZ100-214	4
ZZZ100-215	5
ZZZ100-216	6
ZZZ100-217	7
ZZZ100-218	8

Grease Nipples



Straight	Thread
A70.078422	1/8" BSP
A70.078440	M10x1
A70.078452	1/4" BSP

Cabine Push Button



Part N.	Voltage
40.PSG.12	12 V DC
40.PSG.24	24 V DC

Welding Protection



08.111.0

"Z" Mounting Plate



08.112.0

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