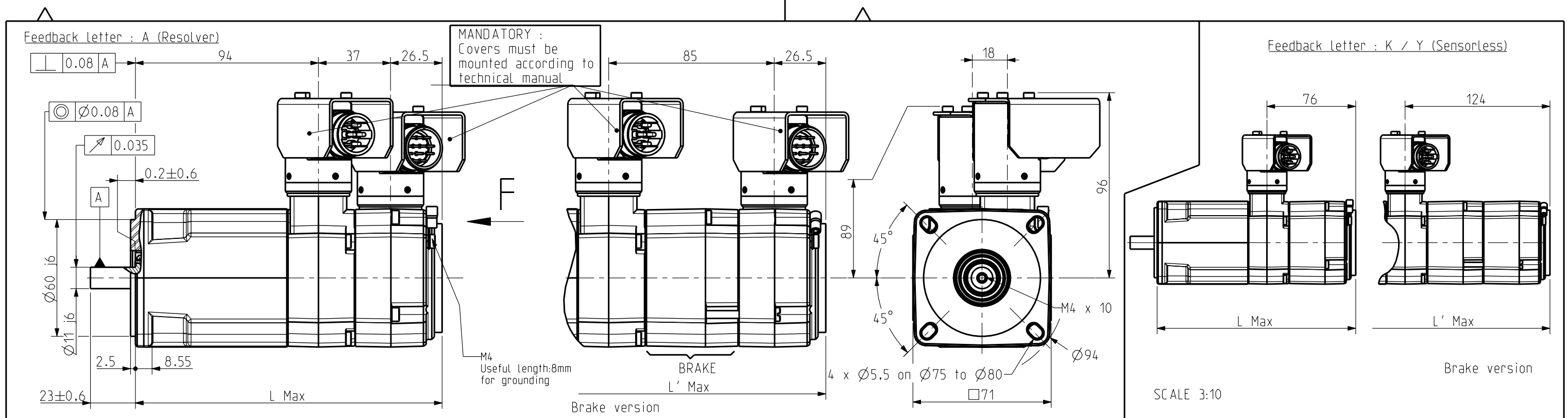
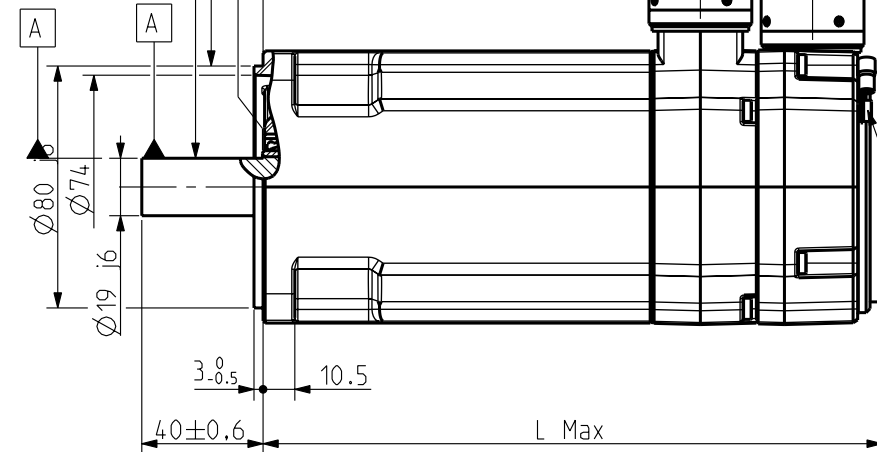
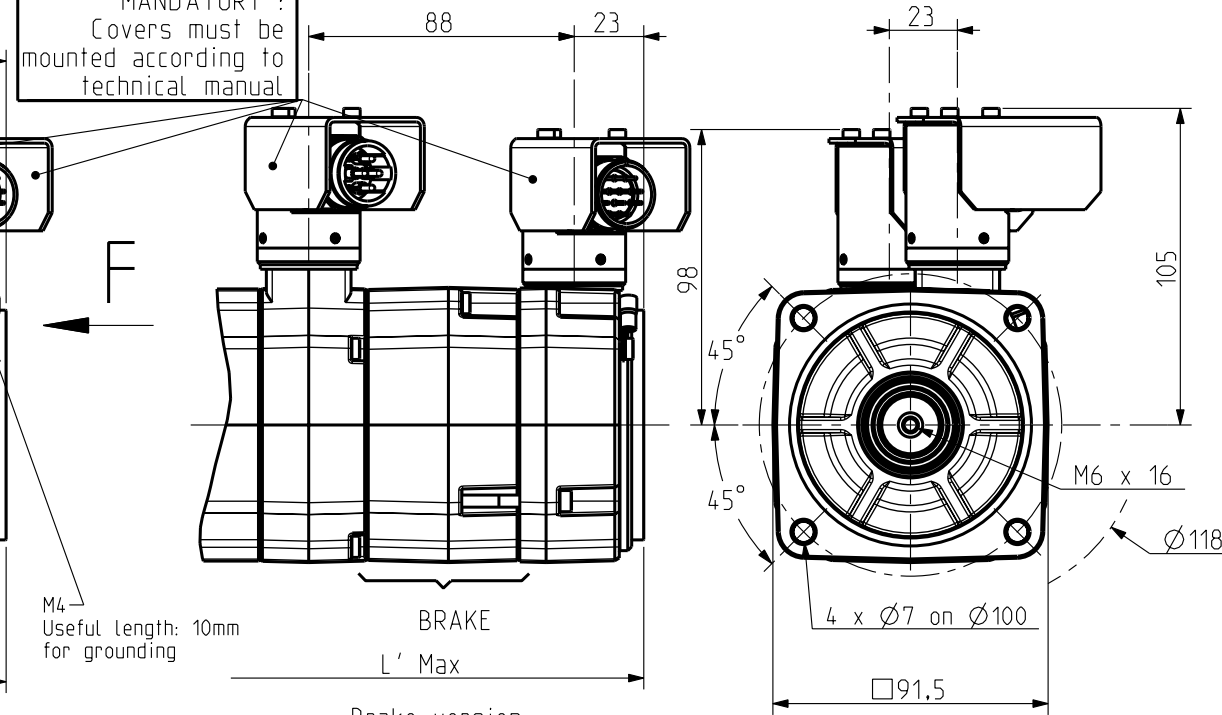




MANDATORY :
Covers must be
mounted according to
technical manual



79

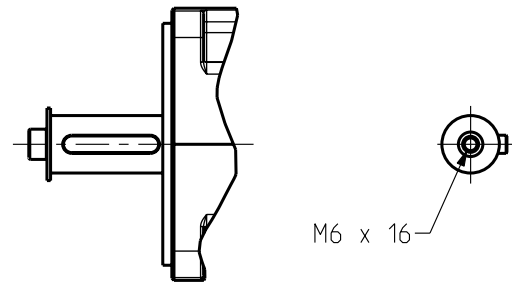
129

L Max

L' Max

Brake version

Key (Option)



Supply voltage : 24V $\pm 10\%$
Static torque

	EY420	EY430
20 °C	5,5 Nm	5,5 Nm
100 °C	4 Nm	4 Nm

	EY420	EY430
No Brake	3,7 Kg	4,6 Kg
With Brake	4,5 Kg	5,4 Kg

120°

60°

60°

180°

SCALE 3:10



Protection									
.11	3	G	Ex	nA	II C	T3	Gc	IP65	
.11	3	D	Ex	tc	IIIC	T200°C	Dc	IP65	

Suivant les normes / Regarding standards :
 *EN 60079-0 : 2012 + A11 : 2013;
 *EN 60079-15 : 2010 ;
 *EN 60079-31 : 2014 ;

SCALE 2:5

		Resolver (A)	Sensorless (Y)
EY420	L (mm)	181	200
	L' (mm)	232	251
EY430	L (mm)	206	225
	L' (mm)	257	276

```

graph TD
    Root[ ] --- EY[EY]
    Root --- 4[4]
    Root --- Dash1[_]
    Root --- Dash2[_]
    Root --- E[E]
    Root --- Dash3[_]
    Root --- Dash4[_]
    Root --- B[B]
    Root --- 7[7]
    Root --- Dash5[_]
    Root --- 1[1]
    Root --- Dash6[_]

    Root --- Torque[Torque range  
(depends on length)]
    Root --- Winding[Winding  
(depends on speed)]
    Root --- Plain[0 : Plain Shaft  
1 : key]

    Root --- Temp40["E : Ambient temperature 40°"]
    Root --- Temp60["G : Ambient temperature 60°"]

    Root --- PTC1[1 : PTC]
    Root --- BrakePTC[4 : Brake and PTC]
    Root --- PTCSignal[A : PTC (on signal connector)]
    Root --- BrakePTCSignal[D : Brake and PTC (on signal connector)]

    Root --- Resolver[A : Resolver]
    Root --- Sensorless[Y : Sensorless]
  
```

Feedback Letter : A

Motor powered by direct current at the current nominal value (W+ et V-), the shift is 90° electrical

An analog clock face with numbers 1 through 12. The hour hand and minute hand both point to the 12, indicating the time is 12:00.

12 pins

F view

Feedback Letter : A
(Resolver - 12 pins)

- 1 : S3
2 : S1
3 : PTC (Option)
6 : PTC (Option)
7 : S2
8 : S4
10 : R1
12 : R2

S1 = Cos -	S2 = Sin -	R1 = excitation +
S3 = Cos +	S4 = Sin +	R2 = excitation -

Rotor rotating clockwise viewed from shaft end.

A : Brake + (Option)
B : Brake - (Option)
C : PTC
D : PTC

} If the option is required

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General tolerances

DIN ISO
2768 mK

Drawn	05/04/2016	PF	Visa
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su	C	AM24740 - 22/09/2017 PF
----	---	-------------------------

B	AM24593 - 15/09/2016 PF
---	-------------------------

Modif	A	AM24590 - 12/09/2016 PF
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Scale

2:5



4 Bd Eiffel. CS 40090
21604 LONGVIC CEDEX

EY400

OUTLINE DRAWING

Format

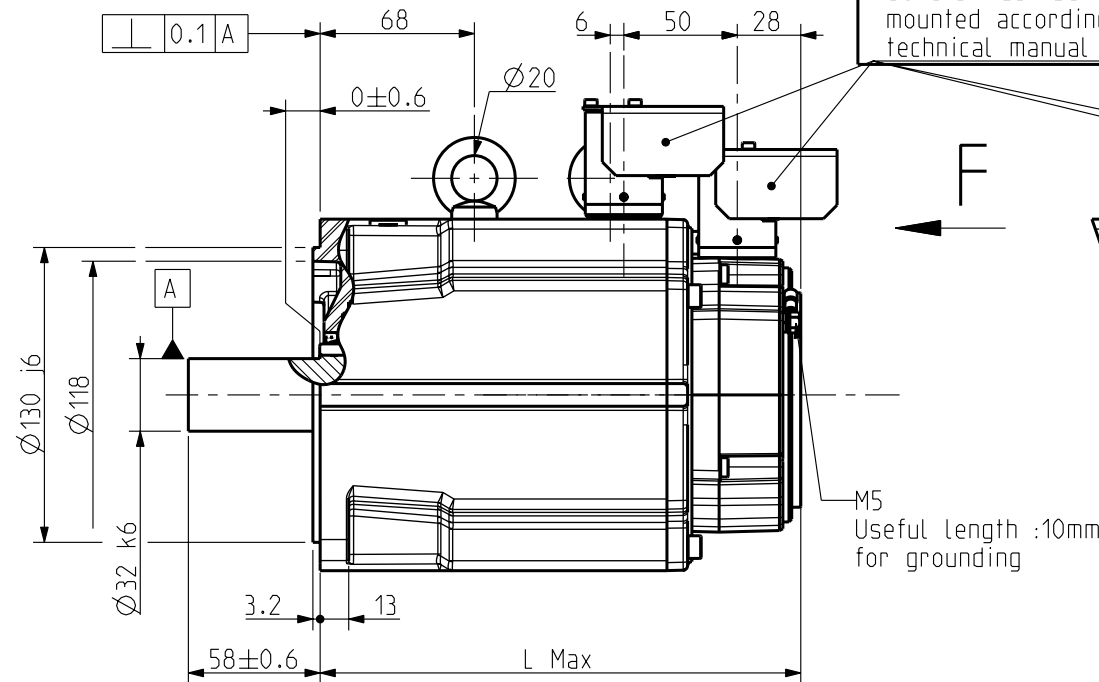
A3

F	E	S	G	I	
	X				

345348

Sheet:1/1

Feedback Letter : A (Resolver)



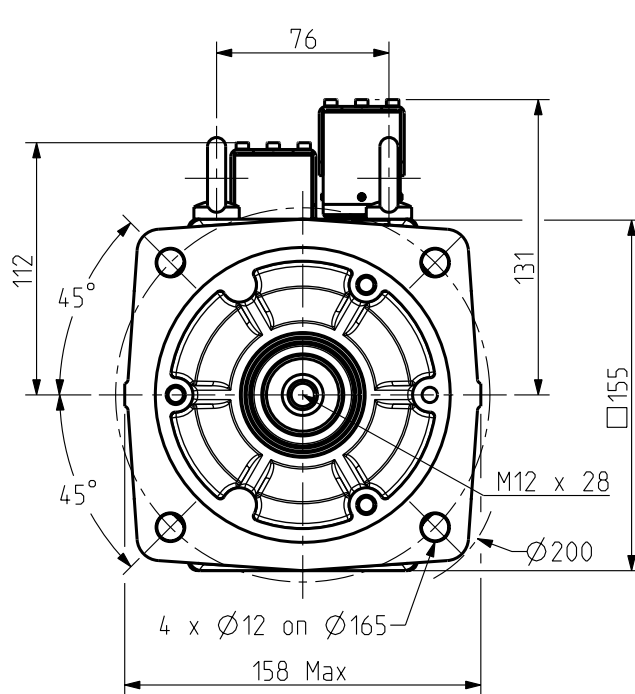
MANDATORY :
Covers must be
mounted according to
technical manual

F

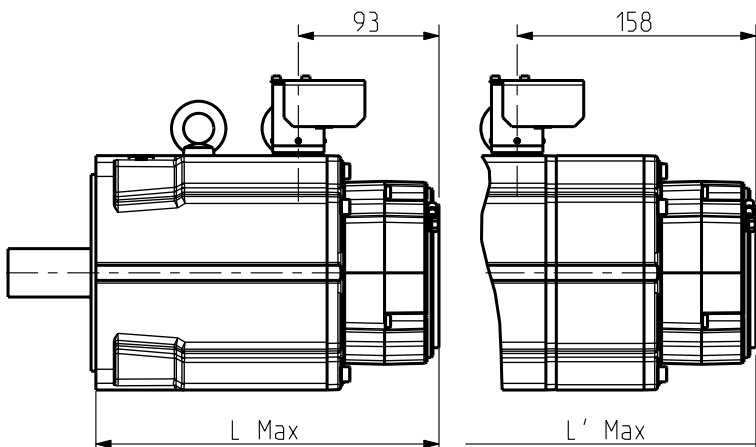
M5
Useful length :10mm
for grounding

BRAKE

Brake Version



Feedback Letter : K / Y (Sensorless)

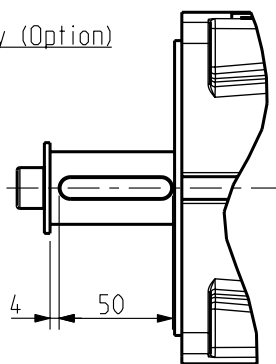


Scale 1:5

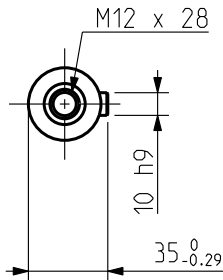
Brake Version

Shaft End

Key (Option)



Scale : 3:10



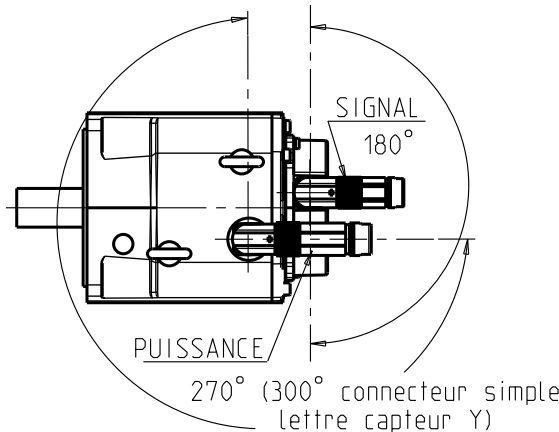
	EY820	EY840	EY860
20 °C	36 Nm	36 Nm	36 Nm
100 °C	32 Nm	32 Nm	32 Nm

Weight

	EY820	EY840	EY860
No Brake	13 Kg	20 Kg	27 Kg
With Brake	16.5 Kg	23.5 Kg	30.5 Kg

ORIENTATION OF CONNECTORS

Setting of the orientation regarding technical manual



Protection

.II 3 G Ex nA IIC T3 Gc IP65
.II 3 D Ex tc IIIC T200 °C Dc IP65

Suivant les normes / Regarding standards :

*EN 60079-0 : 2012 + A11 : 2013;
*EN 60079-15 : 2010 ;
*EN 60079-31 : 2014 ;

		Resolver (A)	Sensorless (Y)
EY820	L (mm)	213	228
	L' (mm)	279	294
EY840	L (mm)	273	288
	L' (mm)	339	354
EY860	L (mm)	333	348
	L' (mm)	399	414

EY 8 _ _ E _ _ B 7 _ 1 _

Torque range
(depends on length)

Winding
(depends on speed)

0 : Plain shaft
1 : Key

E : Ambient temperature 40°
G : Ambient temperature 60°

A : Resolver
Y : Sensorless

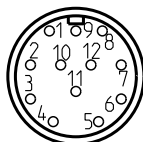
1 : PTC
4 : Brake and PTC
A : PTC (on signal connector)
D : Brake and PTC (on signal connector)

ENCODER SETTINGS

Feedback Letter : A

Motor powered by direct
current at the current
nominal value (W+ et V-),
the shift is 90° electrical

SIGNAL CONNECTOR



12 pins

F view

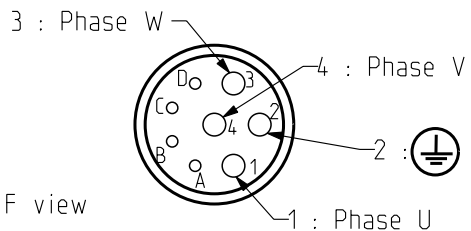
Feedback Letter : A
(Resolver - 12 pins)

1 : S3
2 : S1
3 : PTC (Option)
6 : PTC (Option)
7 : S2
8 : S4
10 : R1
12 : R2

S1 = Cos - S2 = Sin - R1 = excitation +
S3 = Cos + S4 = Sin + R2 = excitation -

Rotor rotating clockwise viewed from shaft end.

POWER CONNECTOR



A : Brake + (Option)
B : Brake - (Option)
C : PTC
D : PTC

If the option
is required

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General
tolerances

DIN ISO
2768 mK

Drawn
Modifications

05/04/2016 PF Visa

B AM24740 - 22/09/2017 PF
A AM24600 - 27/09/2016 PF

Scale

1:5

Parker

4 Bd Eiffel. CS 40090
21604 LONGVIC CEDEX

EY800

OUTLINE DRAWING

Format
A3

F E S G I
x

345350

B

Sheet:1/1