

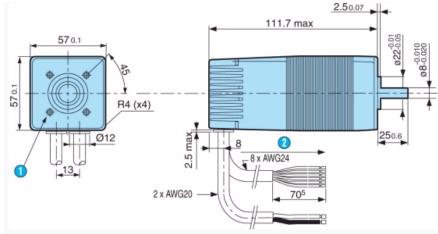
80 W motors with built-in electronic control TNi20 801800 - 0/10 V Part number 80180002



- Ideal for motion and positioning applications Flexible : 4-quadrant variable speed control
- Control of max. torque with "limit reached" indicator
- Complete : Brake, encoder and class B EMC-compliant
- Compact : Excellent efficiency and high start torque
- 120 W nominal at 32 V DC
- Open : Compatible with our logic controller PLCs
 Versatile : Compatible with 24 V battery DC

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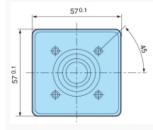
80180002 : TNi20 cable output

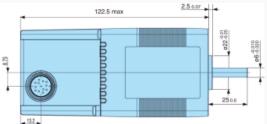


N°	Legend	
0	4 holes M5 x 0.86 H at 90° over Ø 40 depth of thread 4.5 min.	
2	Cable length : 500 ± 15 mm	

Dimensions (mm)

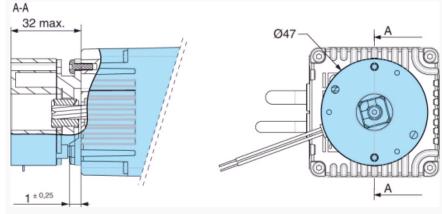
80180026 : With C12 integrated connector





Dimensions (mm)

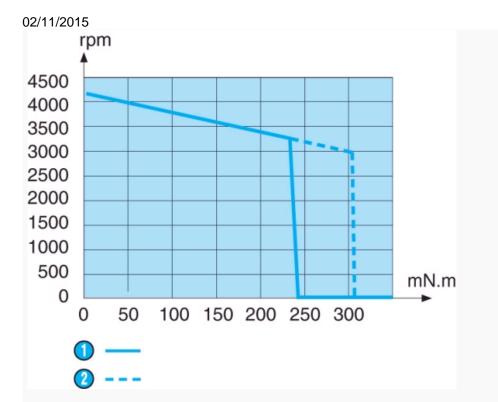
80180025 : With holding brake



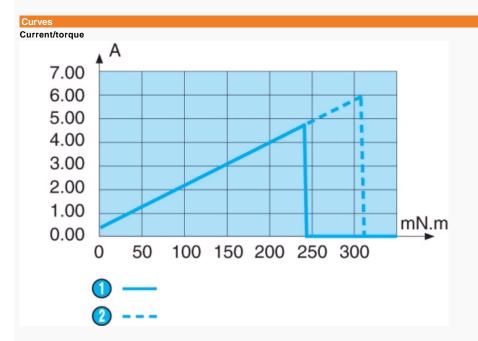
Holding brake : At power switch off - 0.5 Nm - 7 W - 24 V \pm 10% Weight : 250 g - AWG26 leads - 400 mm

Curves

Speed/torque



Nº	Legend
0	Continuous operation
0	Cyclic operation



Nº	Legend
1	Continuous operation
0	Cyclic operation

Connections Cable output

02/11/2015 Marking

on motor	Function	Wire colour	
*а	Power ground supply	Black	1 power cable AWG20
*а	24 V power supply	Brown	2 conductors UL2464
	Signal ground	Black	
	On/off input	Green	
	Direction input	Yellow	
	Speed setpoint	Orange	1 control cable AWG24 8 conductors UL2464
*b	12 points/rev encoder output	Brown	8 conductors 0L2464
*b	Encoder direction output	Red	
	Torque limiting setpoint	Blue	
*b	Torque saturation output	Purple	

Connections

With integrated C12 connector

Légende	Connecteur C12	
Masse puissance	G+M	
Alimentation 24 V puissance	E+F	FM
Masse signaux	В	
Entrée Marche/Arrêt	К	
Entrée sens	J	
Consigne vitesse	С	C
Sortie codeurs 12 points/tour	D	
Sortie sens codeur	L	
Consigne limitation de couple	A	
Sortie saturation de couple	н	

Precautions for use

 Necessary precautions to avoid damaging the motor

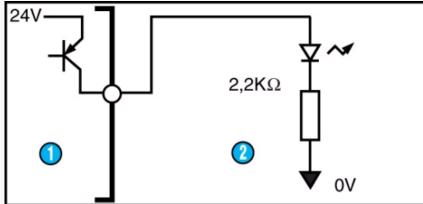
 *a) Do not reverse the polarity

 *b) Do not short-circuit the encoder output, encoder direction and torque saturation (PNP) to earth

Do not use the motor as a generator

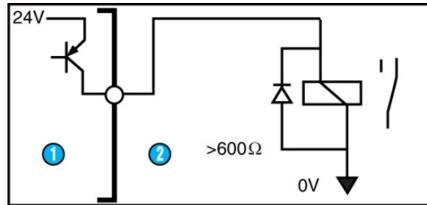
Applications

Wiring examples for encoder outputs, encoder direction, torque saturation



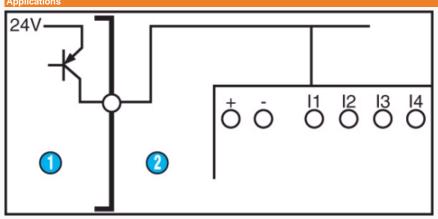
N°	Legend
0	Motor
0	LED load

Applications



N°	Legend
0	Motor
0	Relay load





Nº	Legend
1	Motor
2	Millenium logic controller

Product adaptations



2-quadrant speed regulation, open or closed loop
Dimensions of motor shaft (Ø 2 to 8 mm, length, pinion sized to shaft, etc.)

· Cable length, with or without connector

Special software and extensions

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 R88MK75030TS2
 1032
 M4E068-CF01-01
 80510503
 805470A403.6MY
 805470B40020MY
 80627003
 82800003
 82830009

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 82861019
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 R88M

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 R88M-K1K030H-S2
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 R88M-G10030L-BO
 R88M

 GP20030S-OS2
 R88M-K20030H-B
 R88M-G40030H-BS2
 R88M-GP20030H-O
 R88M-G40030T-S2
 R88M-K10030L
 82840003
 82840004

 R88M-GP20030L
 R88M-GP10030S
 R88M-GP20030L-S2
 R88M-G40030H-BS2
 R88M-GP20030L-OS2
 R88M-GP20030