

# Product datasheet

Specifications



servo motor BCH, no oil seal, w key,  
20-bit encoder, w brake-straight con

BCH1801N12F1C

⚠ Discontinued - Service only

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

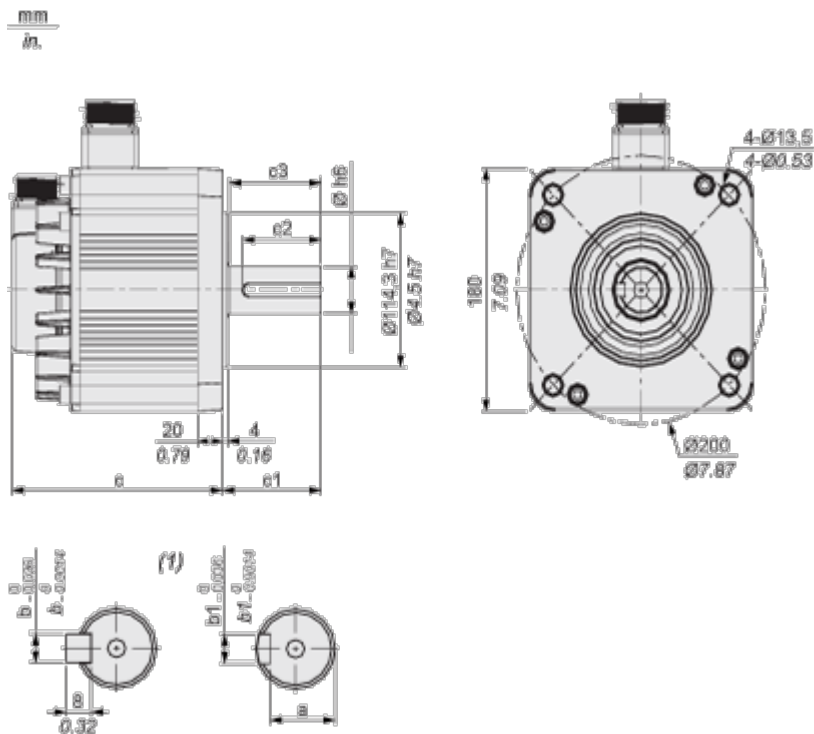
[How we assess product sustainability >](#)

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

Dimensions Drawings

Dimensions



(1) Shaft end, keyed slot (optional)

Dimensions in mm

| Ø  | a  | b  | b1 | c (without holding brake) | c (with holding brake) | c1 | c2 | c3 |
|----|----|----|----|---------------------------|------------------------|----|----|----|
| 35 | 30 | 10 | 10 | 169                       | 203.1                  | 79 | 63 | 73 |

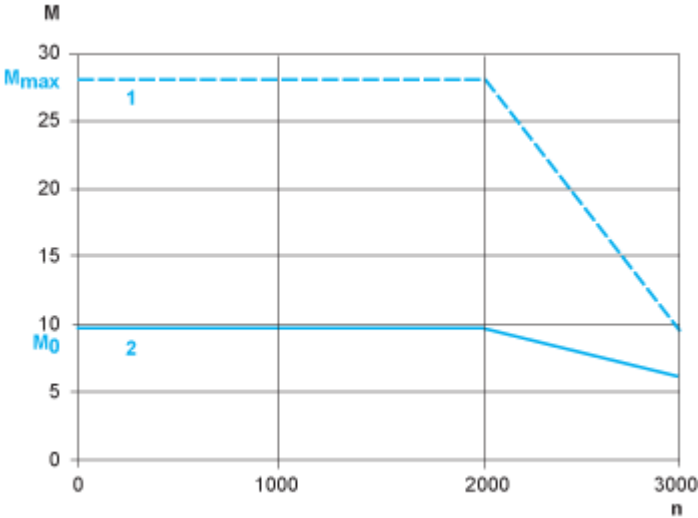
Dimensions in in.

| Ø    | a    | b    | b1   | c (without holding brake) | c (with holding brake) | c1   | c2   | c3   |
|------|------|------|------|---------------------------|------------------------|------|------|------|
| 1.38 | 1.18 | 0.39 | 0.39 | 6.65                      | 8.00                   | 3.11 | 2.48 | 2.87 |

Performance Curves

Torque/Speed Curves with 220 V Three Phase Supply Voltage

Servo Motor with LXM23•U20M3X Servo Drive



M : Torque in Nm

n : Speed in rpm

1 : Peak torque

2 : Continuous torque