

PRODUCT-DETAILS

# HDS180-3555BSKNS

HDS series motor, 400 VAC, flange size 180 mm, low inertia, 5.5 kW, 17-bit single-turn SmartABS, key, no brake, seal



## General Information

|                         |   |
|-------------------------|---|
| Global Commercial Alias | HDS180-3555BSKNS  |
| Product ID              | 3ABD00049492  |
| ABB Type Designation    | HDS180-3555BSKNS  |
| Catalog Description     | HDS series motor, 400 VAC, flange size 180 mm, low inertia, 5.5 kW, 17-bit single-turn SmartABS, key, no brake, seal  |
| Long Description        | The HDS series servo motors provide more effective combinations of torque and inertia. Equipped with various high performance and high-resolution feedback options, HDS meets various requirements of applications and drives. By providing control on speed, torque and position with high precision and quality for the operation of terminal equipment, HDS helps to improve the efficiency and stability of the equipment and ensure higher reliability of the complete system. |

## Additional Information

|                            |                  |
|----------------------------|------------------|
| ABB Type Designation       | HDS180-3555BSKNS |
| CN8                        | 85044088         |
| Country of Origin          | Finland (FI)     |
| Customs Tariff Number      | 8501520000       |
| Degree of Protection       | IP65             |
| Flange Size Range          | 180 mm           |
| Frame Size                 | A                |
| Global Commercial Alias    | HDS180-3555BSKNS |
| Gross Weight               | 25.8 kg          |
| Input Voltage ( $U_{in}$ ) | 400 V            |

|                                |   |  |
|--------------------------------|---|--|
| Invoice Description            | HDS series motor, 400 VAC, flange size 180 mm, low inerita, 5.5 kW, 17-bit single-turn SmartABS, key, no brake, seal  |  |
| Made To Order                  | No  |  |
| Maximum Peak Current           | 68.5 A  |  |
| Maximum Peak Torque            | 105 N·m   |  |
| Maximum Speed                  | 3500 r/min  |  |
| Minimum Order Quantity         | 1 piece   |  |
| Motor Power AC-3               | 5.5 kW  |  |
| Number of Phases               | 3   |  |
| Order Multiple                 | 1 piece   |  |
| Package Level 1 Depth / Length | 520 mm  |  |
| Package Level 1 Height         | 302 mm  |  |
| Package Level 1 Units          | 1 carton  |  |
| Package Level 1 Width          | 265 mm  |  |
| Product Name                   | HDS Motor   |  |
| Product Net Depth / Length     | 406 mm  |  |
| Product Net Height             | 240 mm  |  |
| Product Net Weight             | 24.4 kg   |  |
| Product Net Width              | 180 mm  |  |
| Product Type                   | HDS_servo_motor   |  |
| Quote Only                     | No  |  |
| Rated Output Current           | 22.3 A  |  |
| Rated Speed                    | 1500 r/min  |  |
| Rated Torque                   | 35 N·m  |  |
| Replaced Product ID (OLD)      | 3ABD00024309  |  |
| Selling Unit of Measure        | piece   |  |
| Shaft Diameter                 | 35 mm   |  |
| Shaft Length                   | 80 mm   |  |
| Short Description              | HDS series motor, 400 VAC, flange size 180 mm, low inerita, 5.5 kW, 17-bit single-turn SmartABS, key, no brake, seal  |  |
| Stocked At (Warehouses)        | Zhengzhou, China<br>Beijing, China<br>Shanghai, China<br>Singapore, Singapore<br>Beijing, China<br>Singapore, Singapore<br>Tokyo, Japan<br>Australia, Australia |  |
| Two Speed Motor                | No  |  |
| UNSPSC                         | 26101109  |  |
| WEEE B2C / B2B                 | Business To Business  |  |
| WEEE Category                  | Product Not in WEEE Scope   |  |

Categories

Motors and Generators → Servomotors → AC Brushless Servo Motors → AC Brushless HDS Series Motors

