

KBL BRUSHLESS SCREWDRIVERS WITH CLUTCH TORQUE RANGE 0,04 - 3,0 NM



KBL series electric screwdrivers feature state-of-the-art brushless motors and clutch torque control, the perfect solution for clean room applications thanks to zero emissions of coal dust and other pollutants into the working environment. Small and lightweight for utmost operator comfort and with advanced ergonomic design, they ensure very low noise level, minimum vibrations and maximum safety (low supply voltage). Magnetic clutch switches last 10 times more than traditional switches: the absence of maintenance operations guarantees high productive continuity.

KBL screwdrivers are equipped with a sophisticated electronic torque control system that will cut the power supply to the motor as soon as the pre set torque has been reached. KBL drivers are available in inline body or for automation and they all come standard with an ESD-safe body.

The new clutch for the adjustment of the tightening torque guarantees an excellent accuracy on the whole torque range. Rotation speed can be adjusted over a wide range: this function allows the operator to work on different materials always at the proper speed. They work with EDU1BL and EDU1FR control units (5 pin connector).

KBL../S are equipped with innovative electronics, which processes and sends torque, error and lever signals and receives remote start and reverse input. They're mainly indicated for automated applications (KBL..CA, see dedicated page). They work with EDU1BL/SG control units (8 pin connector).

The new heavy duty cables and connectors, developed for robotic applications, are made of antistatic dissipative material for a safe use in EPA environment.



EDU1BL CONTROL UNIT



TORQUE
ADJUSTMENT



AUTOMATION
MODEL



5 PIN CABLE (STANDARD)
8 PIN CABLE (SIGNALS)

Code	Model	Torque Nm	Speed RPM	L x Ø mm	Weight Kg	Control unit
190004	KBL04FR	0,04 - 0,4	650 - 1000	255 x 32	0,50	EDU1BL & EDU1FR
190015	KBL15FR	0,4 - 1,5	650 - 1000	255 x 32	0,50	EDU1BL & EDU1FR
190030	KBL30FR	0,7 - 3,0	650 - 1000	267 x 38	0,65	EDU1BL & EDU1FR
190004/S	KBL04FR/S	0,04 - 0,4	650 - 1000	255 x 32	0,50	EDU1BL/SG
190015/S	KBL15FR/S	0,4 - 1,5	650 - 1000	255 x 32	0,50	EDU1BL/SG
190030/S	KBL30FR/S	0,7 - 3,0	650 - 1000	267 x 38	0,65	EDU1BL/SG

CONTROL UNITS KBL SERIES

All Kolver screwdrivers work in combination with a control unit acting as an AC to DC transformer and torque controller. The electronic control circuit cuts the power supply to the motor as soon as the pre-set torque has been reached. The EDU1BL and EDU1BL/SG control units for KBL screwdrivers feature a maintenance free state-of-the-art electronics with no wearing components. They come standard with the torque knob to adjust the torque (from 60% to 100%) of current control tools and a green led which indicates when the control unit is on. EDU1BL/SG control unit works with KBL..FR/S or KBL..FR/CA and it additionally features signals for reached/not reached torque, pressed lever and remote start/reverse.



A double output connector (Dock02) is also available for operators using two screwdrivers at the same time.

KBL..FR screwdrivers work in combination with our standard EDU1FR controllers. This option will allow existing customers to replace FAB & RAF drivers with no need to replace controllers.



DOUBLE OUTPUT CONNECTOR



ACE SREW COUNTER



BACK CONNECTOR



TLS POSITIONING ARM

Code	Model	Features	Dimensions mm	Weight Kg
003000	EDU1BL	Adjustable torque	138x118x37	0,6
003000/SG	EDU1BL/SG	Input: start and reverse contacts. Output: reached torque and pressed lever	138x118x37	0,6

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