

# BONFIGLIOLI SOLUTIONS FOR SMART CONVEYORS

## A+BSR+DGM+Z SENSOR HIGH DYNAMIC CONTROL SOLUTION

IE4 ENERGY EFFICIENCY

 Bonfiglioli



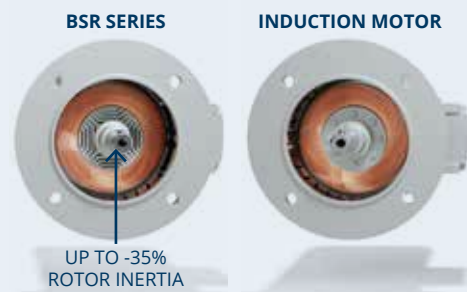
## A SERIES HELICAL BEVEL GEARBOX

- › Maximum efficiency in compact right-angle configurations
- › Wide torque range
- › High stiffness for dynamic application
- › Reduced backlash option

Torque (Nm)	
A 05	100
A 10	150
A 20	250
A 30	410
A 35	600
A 41	850
A 50	1500
A 55	2000
A60	2800
A 70	5000
A 80	8000
A 90	14000

## BSR SERIES SYNCHRONOUS RELUCTANCE MOTOR

- › Magnet free technology
- › Easy retrofit over standard induction motor
- › Version O (High Output): Same power, same efficiency, smaller size
- › Version E (High Efficiency): Same size, same power, greater efficiency
- › Best match with our inverter series: DGM-MPM, AXIA and ACU
- › Ideal for applications which require accurate speed and torque control



# DGM MODULAR

Robust and highly efficient drive controller for synchronous and synchronous reluctance and asynchronous motors in the extended speed range. Extensive configuration options such as main switch, integrated braking resistor, fieldbus and option modules allow an individual composition.

## 1 | INVERTER SPECS

- Pre-fitted cable glands
- Design without fans
- 100% of connections can be plugged in (Harting plug/Quickon)
- Optional slots
- STO functional safety up to SIL2/PLd
- Internal PTC brake resistor

## 2 | FIELD BUS



## 3 | OPERATION & OBSERVATION

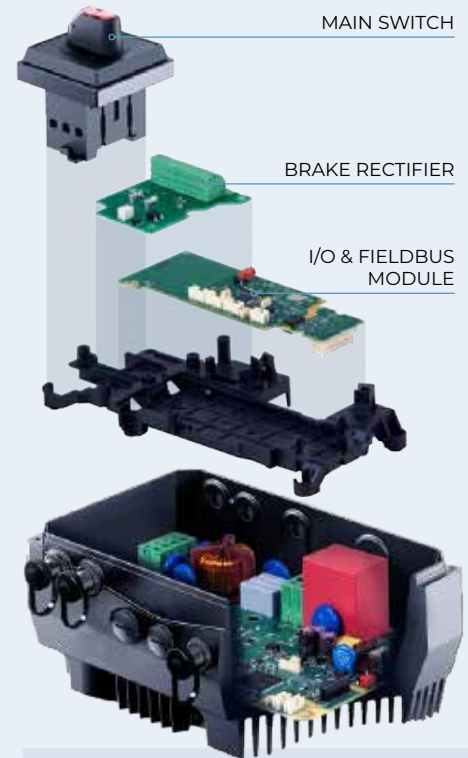
- Potentiometer
- M12 RS485 service interface
- Main switch
- MMI (Man Machine Interface) handheld controller
- MMI (Man Machine Interface) cover option
- Touch operating terminal
- DGM Modular PC software VPlus Dec

## 4 | MOTOR ADAPTATIONS

- Motor adapter concept compatible with Bonfiglioli motors

## 5 | PROTECTION

- IP65 class
- Robust and vibration-resistant housing concept



- ASYNCHRONOUS MOTORS
- SYNCHRONOUS RELUCTANCE MOTORS
- PERMANENT MAGNETS MOTORS

# Z-SENSOR

## A SMALL, HIGH-PERFORMANCE MULTI-SENSORY DEVICE

