



INTEGRATED ROBOT JOINT MODULES
APM Series | Planetary Joint Module Specification

PRODUCT PLATFORM	APM Series	MODEL	APM-125-400-R27
PRODUCT TYPE	Heavy-Duty Planetary Robot Joint Module		

GENERAL SPECIFICATIONS

PERFORMANCE

Module Outer Diameter (mm)	125	Rated Speed (rpm)	120
Hollow Diameter (mm)	8.5	Rated Torque (Nm)	120
Module Height (mm)	87	Maximum Speed (rpm)	130
Module Weight (g)	2430	Maximum Torque (Nm)	400
Reducer Type	Planetary	Torque Constant (Nm/A)	2.4
Reduction Ratio	27	Speed Constant (rpm/V)	2.7

ELECTRICAL & COMMUNICATION

MECHANICAL & ENVIRONMENT

Drive Voltage (V)	48	Protection Rating	IP67
Communication Protocol	CAN / CANFD	Backlash	< 12 arcmin

DIMENSIONAL DRAWING

