

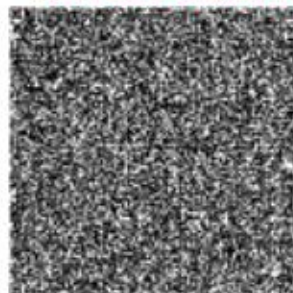
PRODUCT DESCRIPTION:

Brushless servomotor with integrated drive and worm reduction
- MCDBS

PRODUCT CODE:

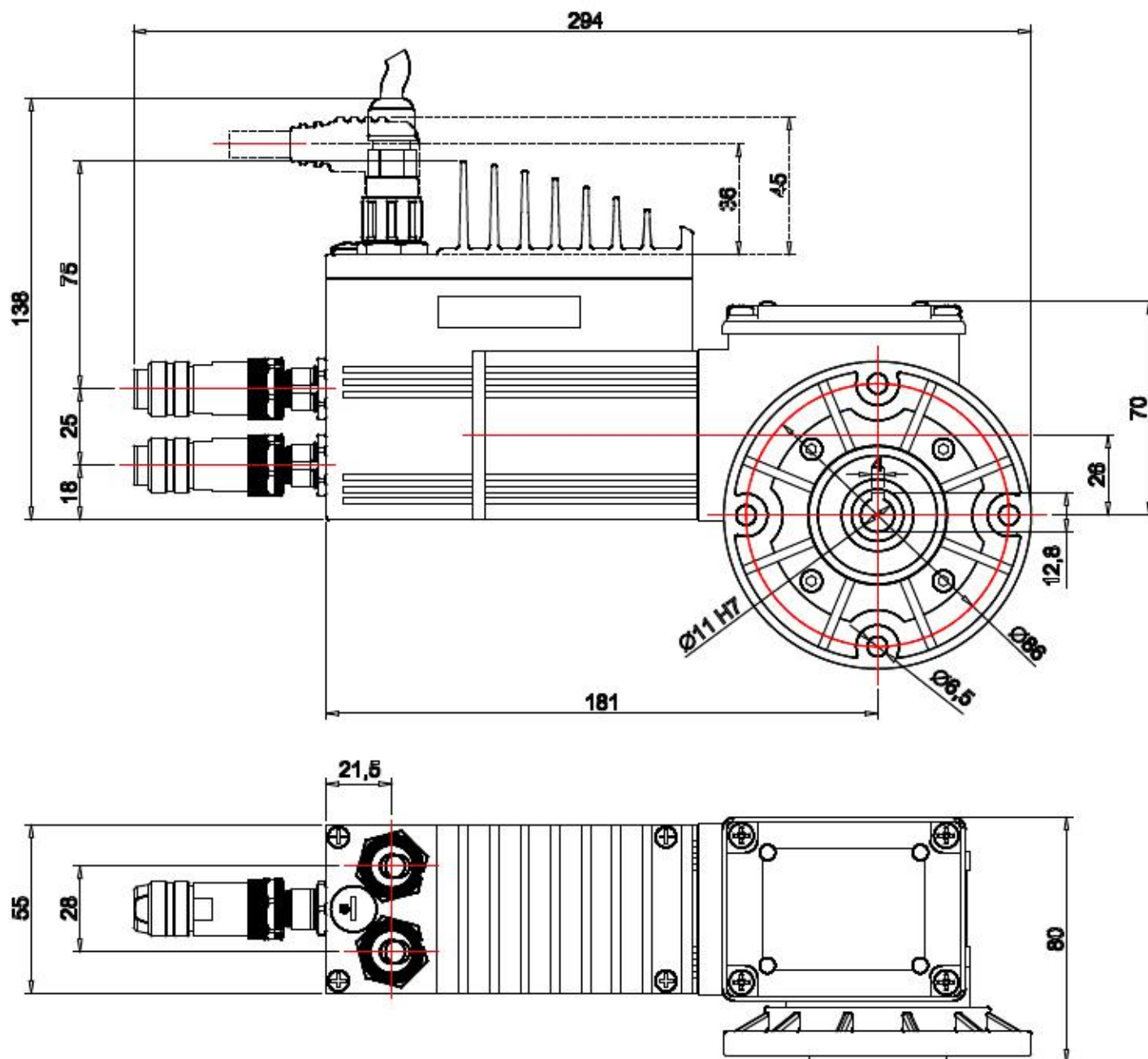
MCDBS55/50/EPN 15 B5-SF

AUGMENTED REALITY:



3D VIEW:





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DATA TABLE:

Type	MCDBS 55/50
Ratio	15
Gearbox info	Reversible worm - 86% efficiency
Coupling	B5 left flanged
B5 coupling versions	Without flange
Fieldbus	ProfiNET
Brake optional	NO
Brake technical data	-
Safety Torque Off	-
Power on Digital Output	-
Cyclic Synchronous Position (EtherCAT or Powerlink)	-
Istantaneous position acquisition	-
Analog current reference	-
Hollow shaft version	Std Ø11mm
Motor drive position	Std
Lubricant	Standard
Applicable standard	CE (EAC via reseller)
Optional output shaft	-
Fieldbus connectors	2x M12/4p code D female
TOP connectors version	Std connectors
Power cable - wiring type	-
Power cable - connector shape	-
Power cable - wiring length	-
Power cable order info	-
I/O cable - wiring type	-
I/O cable - connector shape	-
I/O cable - wiring length	-
I/O cable order info	-
Nominal supply voltage	24Vdc / 48Vdc
Nominal supply current	6A (24V) / 3A (48V)
Motor output power	94W
Nominal speed	200rpm
Nominal torque	3,9Nm
Peak torque in S3-10%-10min service	10,3Nm
Nominal output frequency carrier	4/8/12 kHz
Rotor inertia	19,2 kg*mm2
Motor control algorithm	Sinusoidal brushless with 12 Bit single-turn / 20 Bit multi-turn absolute encoder
Operating mode	Speed - position - torque - homing
Digital inputs	2 pnp (24Vdc max 500 kHz) + 3pnp (24 Vdc max 7 kHz)
Analog input	[0÷10] Vdc - [-10÷10] Vdc
Outputs	1 NO 2A (30 Vdc max)
Communication	USB
Protection functions	Plarity reversal, overcurrent, overvoltage, undervoltage, overheating, overload, memory error, communication error
Cooling	Natural

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DATA TABLE:

Use	0+40 °C / max 90% RH / max 1000m amsl
Storage temperature	-20+60 °C
Insulation class	F (CEI EN 60034-1)
Protection degree	IP65 (CEI EN 60529)
Weight	2,24 kg