

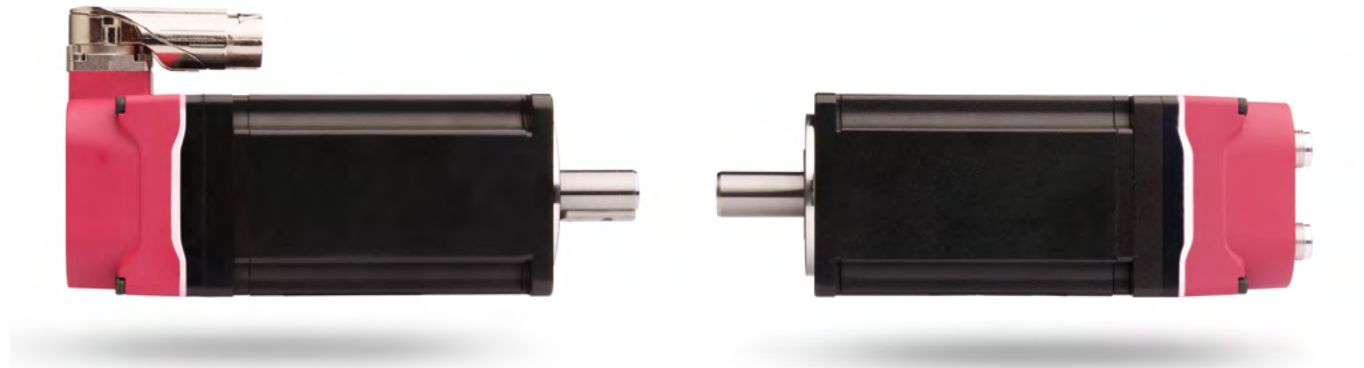


ACTILINK-SC

INTEGRATED SERVO MOTOR PRODUCT INFORMATION

■ The ACTILINK-S series offer maximum power density in the smallest space requirement.

It features all major fieldbus options, various connection configurations and five power classes, with or without brakes.

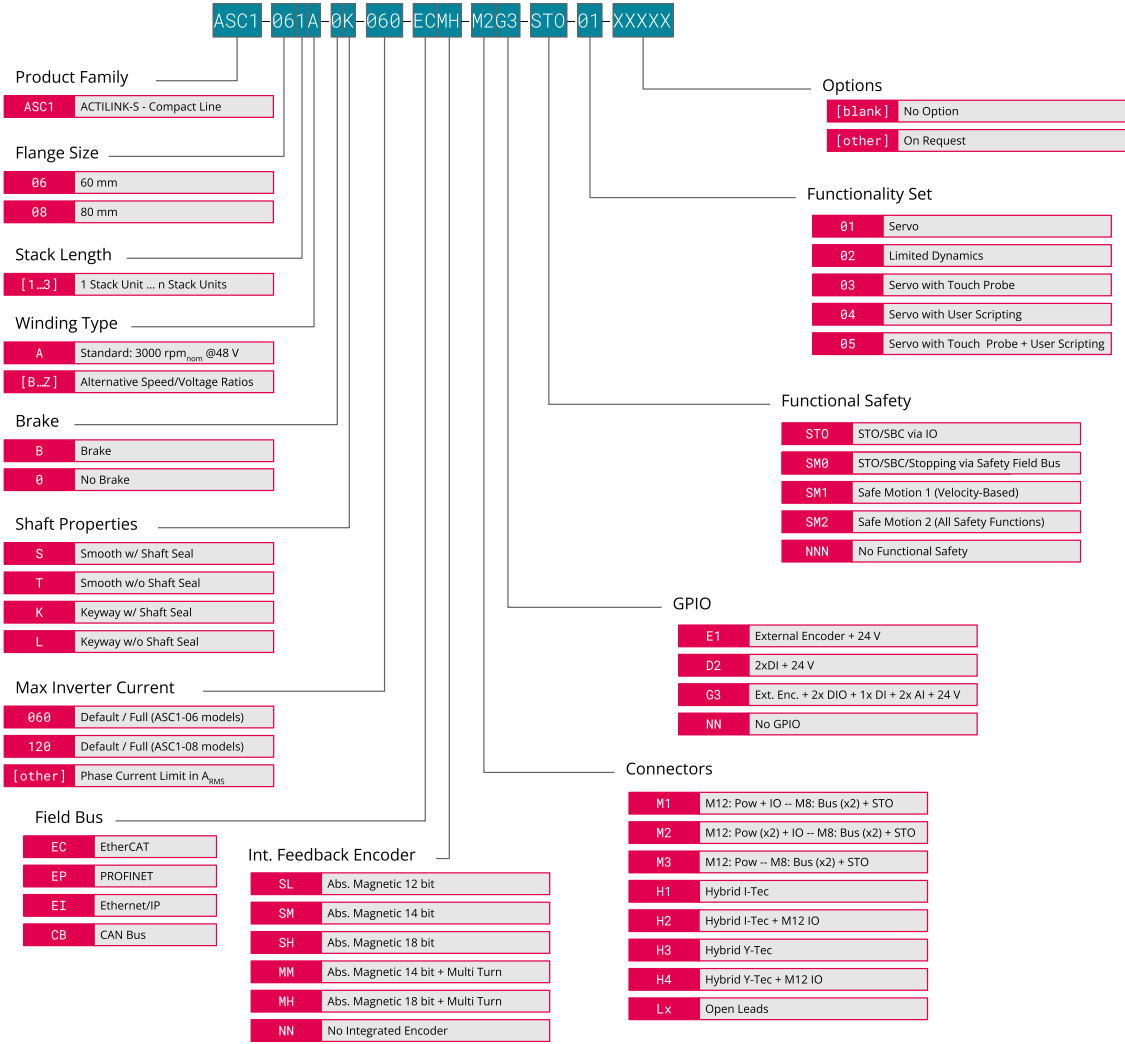


OVERVIEW

VARIANT	RATED TORQUE	RATED VELOCITY	RATED POWER	RATED DC CURRENT	PEAK TORQUE	PEAK POWER
SC 6-1	0.65 Nm	3000 rpm	200 W	5.2 A _{DC}	2.5 Nm	520 W
SC 6-2	1.3 Nm	3000 rpm	400 W	10 A _{DC}	5 Nm	1040 W
SC 6-3	1.9 Nm	3000 rpm	600 W	15 A _{DC}	8 Nm	1670 W
SC 8-1	2.4 Nm	3000 rpm	750 W	18 A _{DC}	9.5 Nm	2480 W
SC 8-2	3.2 Nm	3000 rpm	1000 W	24 A _{DC}	13 Nm	3400 W



TYPE KEY



Note: Availability, lead times, MoQs differ per configuration. Standard configurations (see next pages) preferred for most applications. Please contact Synapticon for custom configurations.

ACTILINK-SC 6-1
INTEGRATED SERVO MOTOR

ESSENTIAL SPECIFICATIONS

The ACTILINK-SC 6-1 line core specifications include the following:

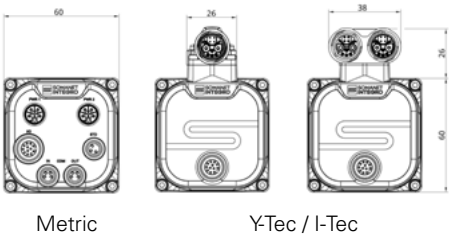
Continuous Operation*	
Continuous Stall Torque	0.65 Nm
Rated Torque	0.65 Nm
Rated Velocity	3000 rpm
Max Velocity	4500 rpm
Rated Power	200 W
Rated Voltage	48 V
Rated DC Current	5 A _{DC}

Peak Operation	
Peak Torque	2.5 Nm
Peak Power	520 W

* at 40°C ambient

Mechanical	no Brake	Brake
Weight	1.1 kg	1.5 kg
Inertia	0.29 kgcm ²	0.31 kgcm ²
Max Radial Load	245 N	
Max Axial Load	74 N	
IP Rating	IP 65***	

CONNECTOR
OPTIONS



Operating Temperature	0 C° - 40 C° **
Max operating altitude	1000 m **
Storage Temperature	-20 C° - 40 C°
Relative Humidity	20%-80%

** Possible to operate at higher altitude and temperature with derating
*** Shaft seal IP64

ORDERING INFORMATION (MPN)

ASC1-061A-0K-025-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, no brake)
ASC1-061A-BK-025-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, brake)

ASC1-061A-0K-025-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, no brake)
ASC1-061A-BK-025-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, brake)
ASC1-061A-0K-025-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, no brake)
ASC1-061A-BK-025-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, brake)

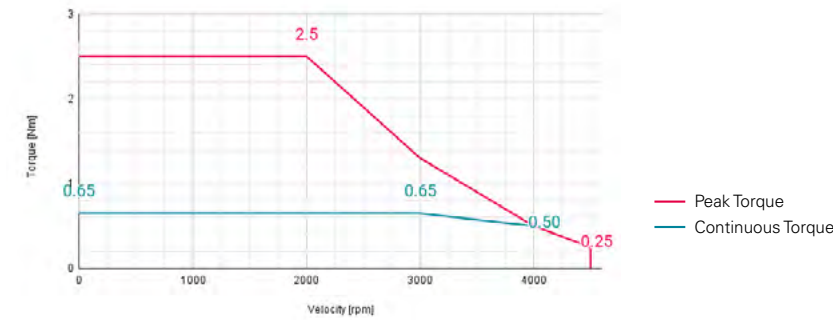
ASC1-061A-xx-xxx-xxxx-xxxx-xxx-xx (custom configurations on request)

Standard configuration's MPNs are provided for the EtherCAT variants.

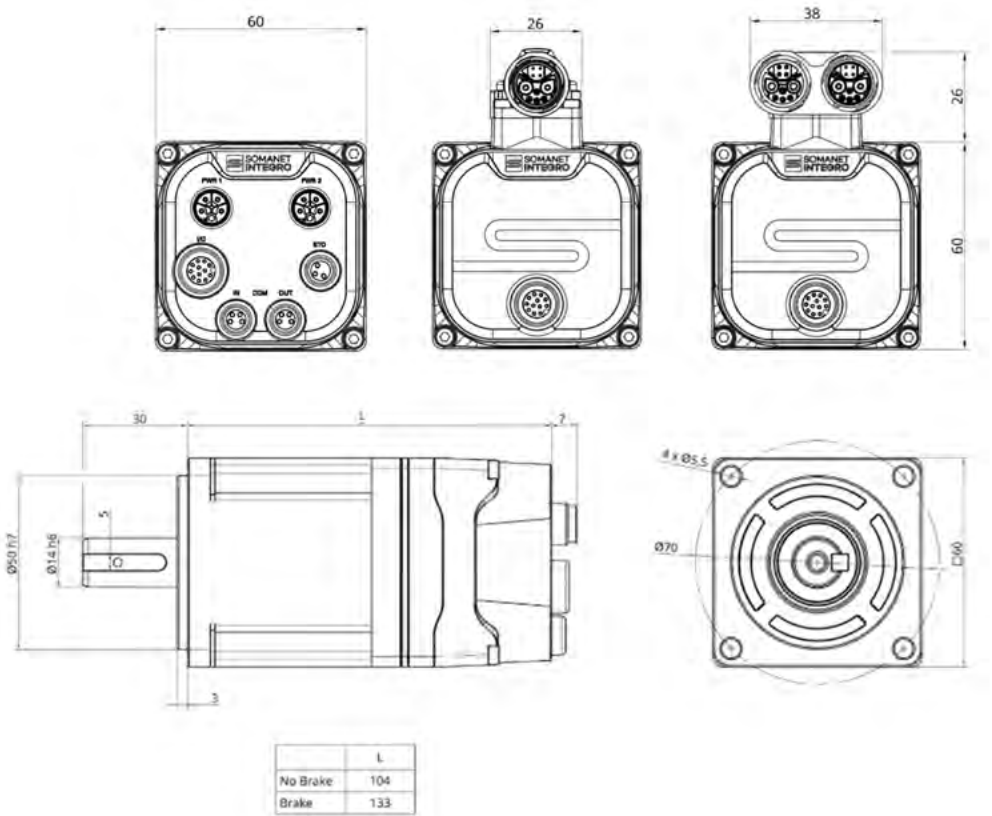
For other field buses, please replace „ECMH“ by „EPMH“ (PROFINET), „EIMH“ (Ether-net/IP) or „CBMH“ (CAN bus, on request).



MOTOR CURVE



DIMENSIONS



TELESTAR SRL Sede Legale e Operativa: Via Novara, 35 - 28010 Vaprio d'Agogna (NO) Tel. (+39) 0321 966768 - info@telestar-automation.it - www.telestar-automation.it



DATASHEET

EtherCAT

PROFINET

EtherNet/IP



ACTILINK-SC 6-2
INTEGRATED SERVO MOTOR

ESSENTIAL SPECIFICATIONS

The ACTILINK-SC 6-2 line core specifications include the following:

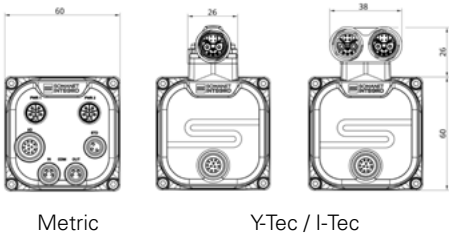
Continuous Operation*	
Continuous Stall Torque	1.3 Nm
Rated Torque	1.3 Nm
Rated Velocity	3000 rpm
Max Velocity	4500 rpm
Rated Power	400 W
Rated Voltage	48 V
Rated DC Current	10 A _{DC}

Peak Operation	
Peak Torque	5 Nm
Peak Power	1040 W

* at 40°C ambient

Mechanical	no Brake	Brake
Weight	1.4 kg	1.8 kg
Inertia	0.58 kgcm ²	0.59 kgcm ²
Max Radial Load	245 N	
Max Axial Load	74 N	
IP Rating	IP 65***	

CONNECTOR
OPTIONS



Operating Temperature	0 C° - 40 C° **
Max operating altitude	1000 m **
Storage Temperature	-20 C° - 40 C°
Relative Humidity	20%-80%

** Possible to operate at higher altitude and temperature with derating
*** Shaft seal IP64

ORDERING INFORMATION (MPN)

ASC1-062A-0K-060-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, no brake)
ASC1-062A-BK-060-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, brake)

ASC1-062A-0K-060-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, no brake)
ASC1-062A-BK-060-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, brake)
ASC1-062A-0K-060-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, no brake)
ASC1-062A-BK-060-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, brake)

ASC1-062A-xx-xxx-xxxx-xxxx-xxx-xx (custom configurations on request)

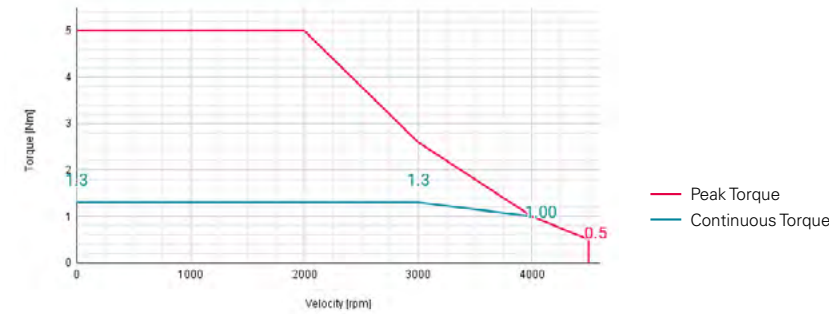
Standard configuration's MPNs are provided for the EtherCAT variants.

For other field buses, please replace „ECMH“ by „EPMH“ (PROFINET), „EIMH“ (Ether-net/IP) or „CBMH“ (CAN bus, on request).

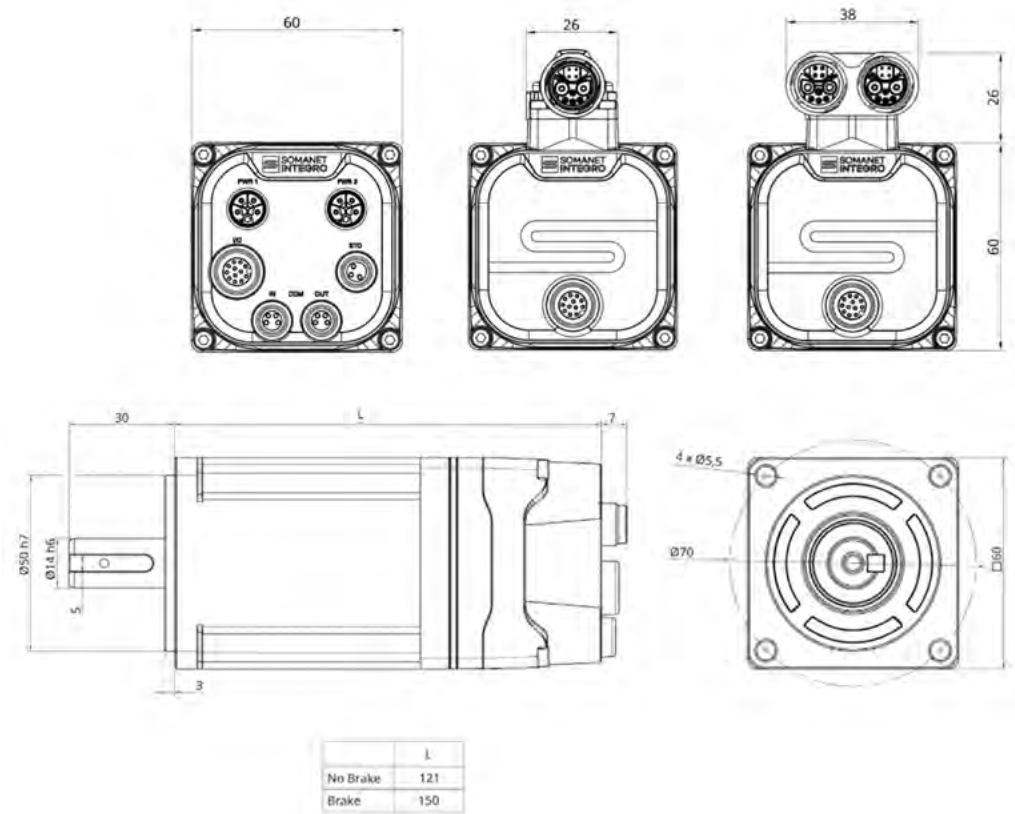


DATASHEET

MOTOR CURVE



DIMENSIONS



ACTILINK-SC 6-3

INTEGRATED SERVO MOTOR

ESSENTIAL SPECIFICATIONS

The ACTILINK-SC 6-3 line core specifications include the following:

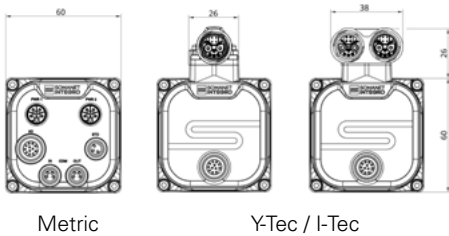
Continuous Operation*	
Continuous Stall Torque	2 Nm
Rated Torque	1.9 Nm
Rated Velocity	3000 rpm
Max Velocity	4500 rpm
Rated Power	600 W
Rated Voltage	48 V
Rated DC Current	15 A _{DC}

Peak Operation	
Peak Torque	8 Nm
Peak Power	1670 W

* at 40°C ambient

Mechanical	no Brake	Brake
Weight	1.8 kg	2.2 kg
Inertia	0.83 kgcm ²	0.84 kgcm ²
Max Radial Load	245 N	
Max Axial Load	74 N	
IP Rating	IP 65***	

CONNECTOR OPTIONS



Operating Temperature	0 C° - 40 C° **
Max operating altitude	1000 m **
Storage Temperature	-20 C° - 40 C°
Relative Humidity	20%-80%

** Possible to operate at higher altitude and temperature with derating
*** Shaft seal IP64

ORDERING INFORMATION (MPN)

ASC1-063A-0K-060-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, no brake)
ASC1-063A-BK-060-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, brake)

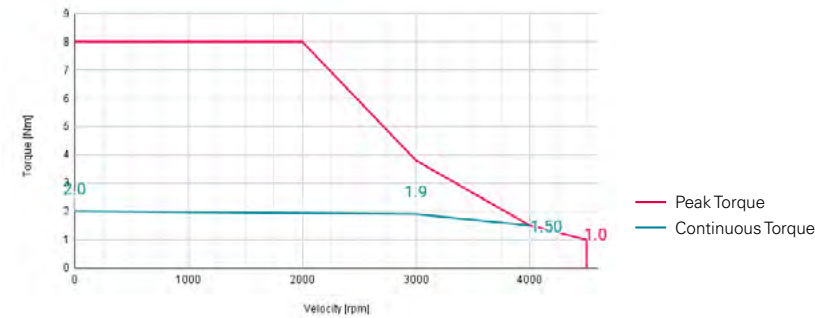
ASC1-063A-0K-060-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, no brake)
ASC1-063A-BK-060-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, brake)
ASC1-063A-0K-060-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, no brake)
ASC1-063A-BK-060-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, brake)

ASC1-063A-xx-xxx-xxxx-xxxx-xxx-xx (custom configurations on request)

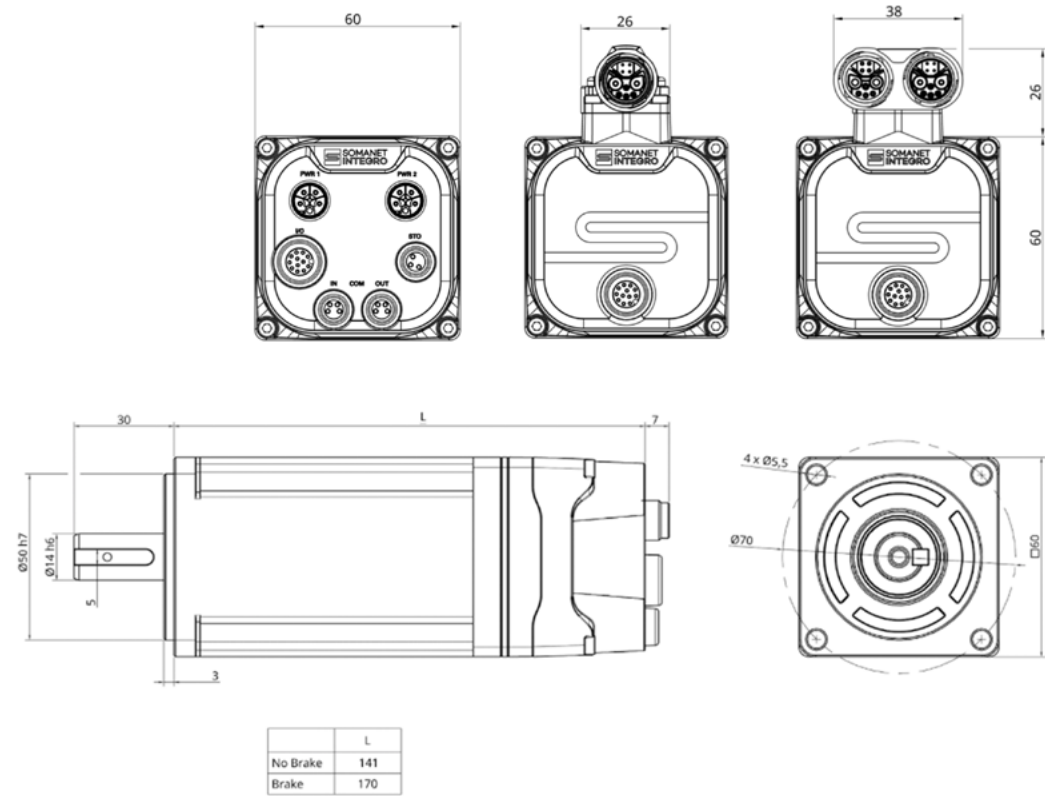
Standard configuration's MPNs are provided for the EtherCAT variants.

For other field buses, please replace „ECMH“ by „EPMH“ (PROFINET), „EIMH“ (Ether-net/IP) or „CBMH“ (CAN bus, on request).

MOTOR CURVE



DIMENSIONS



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ACTILINK-SC 8-1

INTEGRATED SERVO MOTOR

ESSENTIAL SPECIFICATIONS

The ACTILINK-SC 8-1 line core specifications include the following:

Continuous Operation*	
Continuous Stall Torque	2.4 Nm
Rated Torque	2.4 Nm
Rated Velocity	3000 rpm
Max Velocity	4500 rpm
Rated Power	750 W
Rated Voltage	48 V
Rated DC Current	18 A _{DC}
Peak Operation	
Peak Torque	9.5 Nm
Peak Power	2480 W

* at 40°C ambient

Mechanical	no Brake	Brake
Weight	2.4 kg	3 kg
Inertia	1.5 kgcm ²	1.65 kgcm ²
Max Radial Load	392 N	
Max Axial Load	147 N	
IP Rating	IP 65***	

ORDERING INFORMATION (MPN)

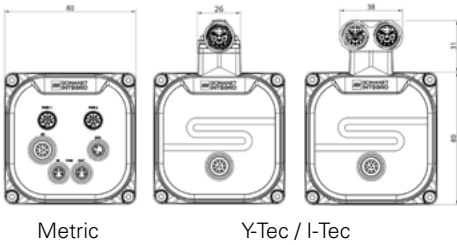
ASC1-081A-0K-120-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, no brake)
ASC1-081A-BK-120-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, brake)

ASC1-081A-0K-120-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, no brake)
ASC1-081A-BK-120-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, brake)
ASC1-081A-0K-120-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, no brake)
ASC1-081A-BK-120-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, brake)

ASC1-081A-xx-xxx-xxxx-xxxx-xxx-xx (custom configurations on request)



CONNECTOR
OPTIONS



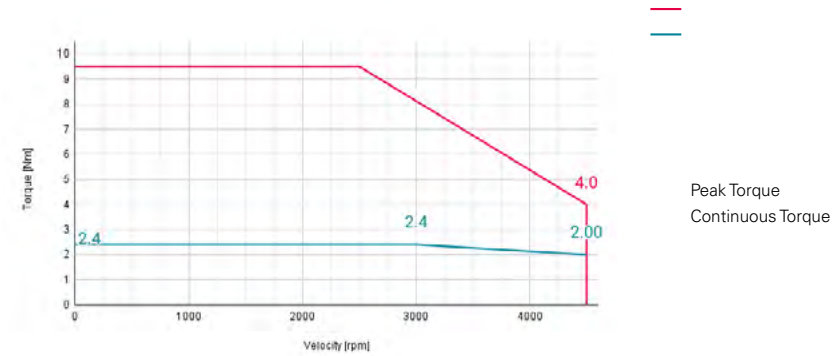
Operating Temperature	0 C° - 40 C° **
Max operating altitude	1000 m **
Storage Temperature	-20 C° - 40 C°
Relative Humidity	20%-80%

** Possible to operate at higher altitude and temperature with derating
*** Shaft seal IP64

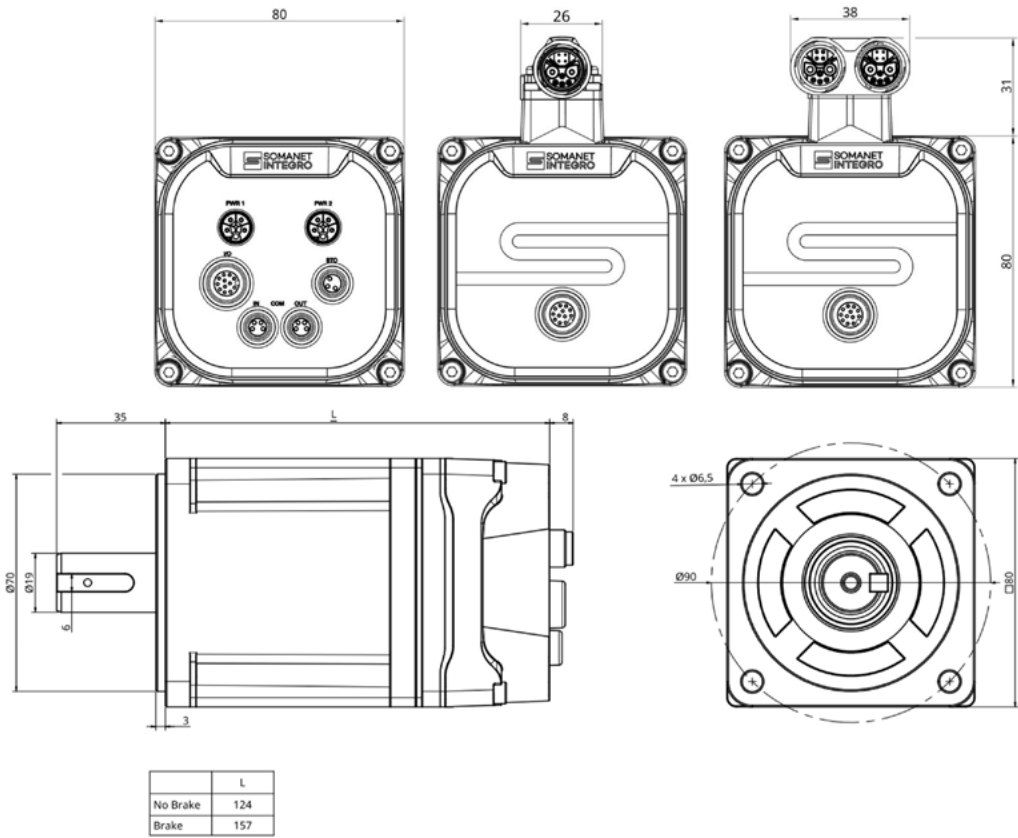
Standard configuration's MPNs are provided for the EtherCAT variants.

For other field buses, please replace „ECMH“ by „EPMH“ (PROFINET), „EIMH“ (Ethernet/IP) or „CBMH“ (CAN bus, on request).

MOTOR CURVE



DIMENSIONS



DATASHEET

EtherCAT

PROFINET

EtherNet/IP



ACTILINK-SC 8-2

INTEGRATED SERVO MOTOR

ESSENTIAL SPECIFICATIONS:

The ACTILINK-SC 8-2 line core specifications include the following:

Continuous Operation*	
Continuous Stall Torque	3.2 Nm
Rated Torque	3.2 Nm
Rated Velocity	3000 rpm
Max Velocity	4500 rpm
Rated Power	1000 W
Rated Voltage	48 V
Rated DC Current	24 A _{DC}
Peak Operation	
Peak Torque	13 Nm
Peak Power	3400 W

* at 40°C ambient

Mechanical	no Brake	Brake
Weight	2.9 kg	3.3 kg
Inertia	1.8 kgcm ²	1.95 kgcm ²
Max Radial Load	392 N	
Max Axial Load	147 N	
IP Rating	IP 65***	

ORDERING INFORMATION (MPN)

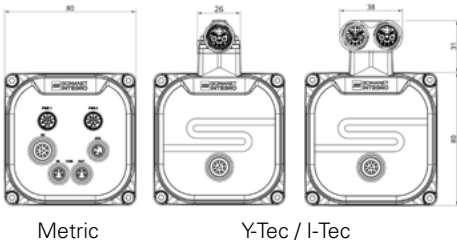
ASC1-082A-0K-120-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, no brake)
ASC1-082A-BK-120-ECMH-M2G3-ST0-01 (standard configuration: ISO connectors, brake)

ASC1-082A-0K-120-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, no brake)
ASC1-082A-BK-120-ECMH-H2G3-ST0-01 (standard configuration: I-Tec connector, brake)
ASC1-082A-0K-120-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, no brake)
ASC1-082A-BK-120-ECMH-H4G3-ST0-01 (standard configuration: Y-Tec connector, brake)

ASC1-082A-xx-xxx-xxxx-xxxx-xxx-xx (custom configurations on request)



CONNECTOR
OPTIONS



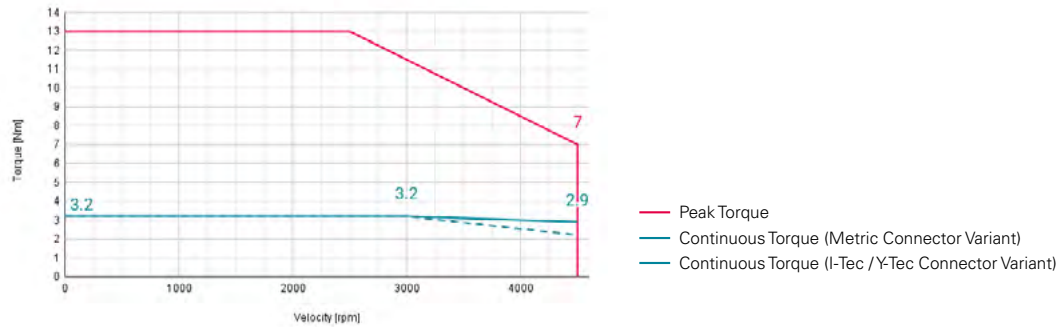
Operating Temperature	0 C° - 40 C° **
Max operating altitude	1000 m **
Storage Temperature	-20 C° - 40 C°
Relative Humidity	20%-80%

** Possible to operate at higher altitude and temperature with derating
*** Shaft seal IP64

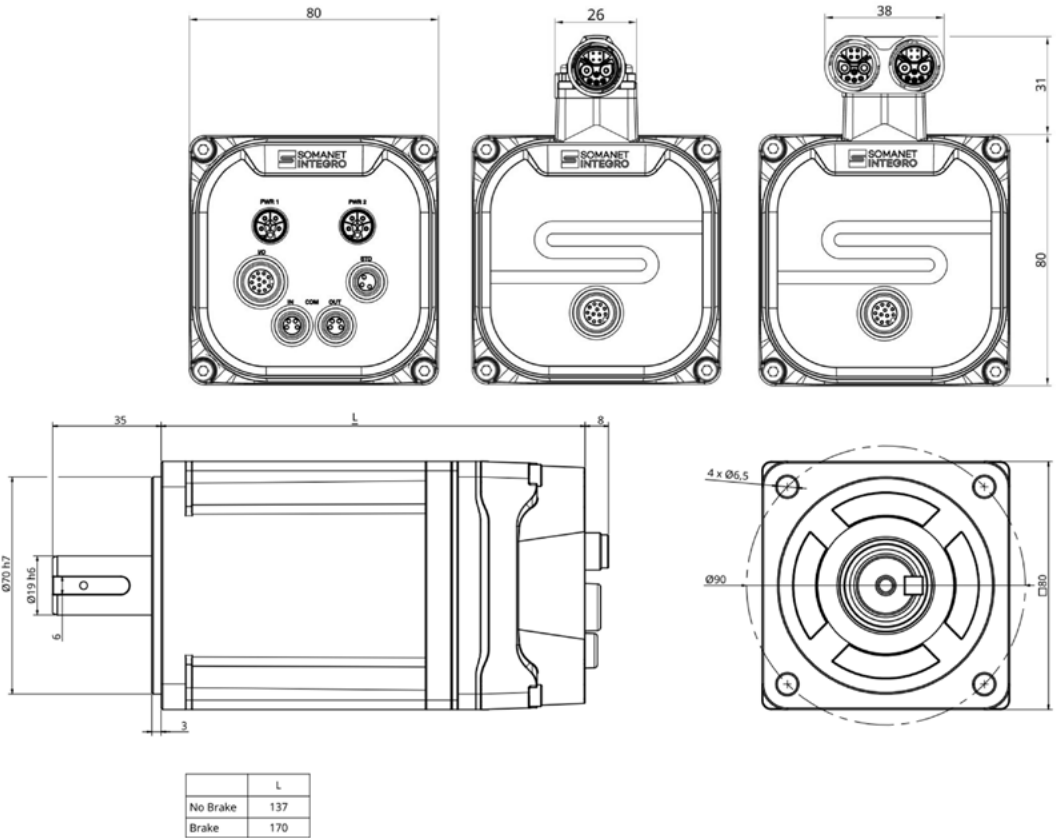
Standard configuration's MPNs are provided for the EtherCAT variants.

For other field buses, please replace „ECMH“ by „EPMH“ (PROFINET), „EIMH“ (EtherCAT/IP) or „CBMH“ (CAN bus, on request).

MOTOR CURVE



DIMENSIONS



DATASHEET

EtherCAT

PROFINET





ELECTRONICS FEATURES FOR ALL ACTILINK-S DEVICES:

SPECIFICATIONS	VALUES / OPTIONS
DC bus voltage	24-60 V, Nominal: 48V
Operating temperature	0-40°C
Thermal management and protection	Temperature sensors for electronics and motor. I2t model for electronics and motor.
Safety functions	STO, SBC
Safety integrity level	SIL3, PLe-Cat.3
Bus interface	Options: EtherCAT, EtherNet/IP, PROFINET
GPIO	Optional: 2x DIO, 1x DI, 1x AI, 1x ext. encoder (BiSS / SSI / ABI)
Commissioning	OBLAC Drives, native apps available for Windows, Linux or OBLAC Box
Control system architectures	With PLC / master controller via field bus, standalone via user scripting or combined
Integrated encoders	Options: 12 bit, 14 bit, 18 bit Optional: absolute multi-turn (battery free)
Approvals and certificates	CE, IEC-61800, among others. See: Standards and Compliance (below) for details.

STANDARDS AND COMPLIANCE

Synapticon adheres to the following standards and compliance requirements:

CATEGORY	STANDARDS
General Product Safety Directive	2001/95/EC
EMC	IEC 61800-3 Emissions: C2 Immunity: second environment
Electrical Safety	IEC 61800-5-1
Functional Safety	IEC 61800-5-2, IEC 61508 parts 1-7, ISO 13849-1, ISO 13849-2
UL	UL 61800-5-1, 2nd edition
Shock	IEC 60068-2-6
Vibration	IEC 60068-2-27

CE

SOMANET Integro complies with the requirements of the respective European directives (CE), ensuring that it meets the highest standards set by the European Union. The CE mark is a symbol of quality and safety, providing assurance that the product complies with the essential requirements of relevant European health, safety, and environmental protection legislation. A declaration of conformity (DoC) can be issued on request.

REACH Compliance

SOMANET Integro is fully compliant with the REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) regulation, ensuring the safety and environmental responsibility of the product.. REACH is a European Union regulation that addresses the production and use of chemical substances. SOMANET Integro complies with REACH by adhering to the strict restrictions set on the use of hazardous substances, as outlined in the regulation.

RoHS Compliance

RoHS (Restriction of Hazardous Substances) is an EU directive that restricts the use of certain hazardous substances in electrical and electronic equipment. SOMANET Integro is RoHS-compliant, ensuring that it does not contain any restricted substances- such as lead, mercury, cadmium, and others - above the specified limits.

telesar

www.telesar-automation.it

SYNAPTICON Catalogo ACTILINK-SC 2026



Europe (HQ)
Synapticon GmbH
Steinbeisstr. 1
71101 Schönaich
Germany
synapticon.com