

Accessories

PowerXL Series—DM1 NEMA 1 Conversion Kits

Description	Catalog Number
DM1 FR1 NEMA 1 kit	DXM-ACC-ER1N1KIT
DM1 FR2 NEMA 1 kit	DXM-ACC-ER2N1KIT
DM1 FR3 NEMA 1 kit	DXM-ACC-ER3N1KIT
DM1 FR4 NEMA 1 kit	DXM-ACC-ER4N1KIT

PowerXL Series—DM1 Communication Card Kit

Description	Catalog Number
DG1 SmartWire™ communication card and module IP20	DXG-NET-SWD-IP20
DG1 SmartWire communication card and module IP54	DXG-NET-SWD-IP54
DM1 PROFIBUS communications card	DXM-NET-PROFIBUS
DM1 CANopen communications card	DXM-NET-CANOPEN

PowerXL Series—DM1 Remote Keypad Kit

Description	Catalog Number
Remote keypad	DXG-KEY-LCD
Remote keypad mounting holder	DXG-KEY-HOLDER
DG1 remote keypad kit (3.0 m cable)	DXG-KEY-RMTKIT
DG1 remote keypad mounting holder only—bulk pack (99)	DXG-KEY-HOLDER-BP

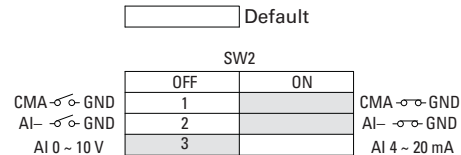
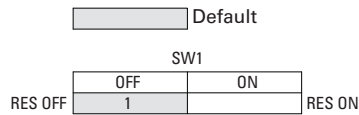
PowerXL Series—DM1 Demo Units

Description	Catalog Number
Demo case DM1 PRO	DM1-DEMO

Power Xpert *inControl* Software

Description	Catalog Number
PC cable	DXG-CBL-PCCABLE

Wiring Diagram



PowerXL Series—DM1 Control Wiring Diagram

External Wiring	Pin	Signal Name	Signal	Default Setting	Description
	1	DI1	Digital input 1	Run forward	Starts the motor in the forward direction
	2	DI2	Digital input 2	Run reverse	Start the motor in the reverse direction
	3	DI3	Digital input 3	External fault	Triggers a fault in the drive
	4	DI4	Digital input 4	Fault reset	Resets active faults in the drive
	5	CMA	DI1 to DI4 common	Grounded	Allows for sourced input
	6	A	RS-485 signal A	—	Fieldbus communication (Modbus RTU, BACNet)
	7	B	RS-485 signal B	—	Fieldbus communication (Modbus RTU, BACNet)
	8	AI1+ ①	Analog input 1	0–10 V	Voltage speed reference (programmable to 4 mA to 20 mA)
	9	AI1–	Analog input 1 ground	—	Analog input 1 common (ground)
	10	GND	I/O signal ground	—	I/O ground for reference and control
	11	AO1+	Analog output 1	Output frequency	Shows output frequency to motor 0–60 Hz (4 mA to 20 mA)
	12	GND	I/O signal ground	—	I/O ground for reference and control
	13	10 V	10 Vdc reference output	10.3 Vdc ±3%	10 Vdc reference voltage
	14	24 V	24 Vdc control output	24 Vdc In/Out	Control voltage input/output (100 mA max.)
	15	STO1	Safe torque Off 1	—	Safe torque Off 1 input
	16	STO2	Safe torque Off 2	—	Safe torque Off 2 input
	17	STO_COM	Safe torque common	—	Safe torque Off common
	18	R1NO	Relay 1 normally open	Run	Changes state when the drive is in the run state
	19	R1CM	Relay 1 common	—	—
	20	R1NC	Relay 1 normally closed	—	—
	21	R2NO	Relay 2 normally open	Fault	Changes state when the drive is in the fault state
	22	R2CM	Relay 2 common	—	—

Notes

The above wiring demonstrates a SINK configuration. It is important that CMA is wired to ground (as shown by dashed line). If a SOURCE configuration is desired, wire 24 V to CMA and close the inputs to ground. When using the +10 V for AI1, it is important to wire AI1– to ground (as shown by dashed line). If using +10 V for AI1, terminals 9 and 10 need to be jumpered together.

① AI1+ support 10 K potentiometer.