



X20SM3456



X20SM1436



X20SM1426

CORPORATE HEADQUARTERS

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## System Overview Drives



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80SD100



X67SM2436



X67SM4320

Features	256 microsteps Encoder Interface Integrated motor detection	256 microsteps Digital inputs for incremental encoder Integrated motor detection	Integrated motor detection
Channels	up to 2	2	4
Mounting Options	wall mounting	wall mounting DIN rail mounting	wall mounting DIN rail mounting
Power Mains Connection	18 - 80 VDC	18 - 48 VDC	13 - 30 VDC
24 VDC Power Supply	external	external	external
Motor Connector	Continuous Current 2 x 10 A Peak Current 2 x 15 A (2sec)	Continuous Current 2 x 3 A Peak Current 2 x 5 A (2sec)	Continuous Current 4 x 1 A Peak Current 2 x 1.5 A (2sec)
I/O Connections	2 Trigger inputs 1 output 24 V 1 enable input	6 x digital inputs can be configured as incremental encoder	-
Encoder Interfaces	Incremental encoder	Incremental encoder	-
Variations	Also available with additional digital in/out Also available with additional analog inputs	-	-
Dimensions [mm]	Width: 65 Height: 158 Depth: 103	Width: 53 Height: 85 Depth: 42	Width: 53 Height: 85 Depth: 42

# ACOPOSmicro servo drives

# ACOPOS servo drives

# ACOPOSmulti servo drive system



80VD100



8V1010/1016



8V1022/1045/1090



8V1180/1320



8V1640/128M



8B0P0220/0440



8BVP0220/0440



8BVP0880



8BV10014/0028/0055/0110



8BV10220/0330/0440



8BVI0880



8B0C0160/0320

## Components

<b>Features</b>	Integrated connection for motor holding brake and temperature sensors Also available as a two-axis module to save space in the switching cabinet
<b>Mounting Options</b>	Wall mounting
<b>Power Mains Connection</b>	18 - 80 VDC
<b>24 VDC Power Supply</b>	External
<b>Motor Connector</b>	Continuous Current 2 x 8 A Peak Current 2 x 15 A (2sec)
<b>I/O Connections</b>	2 Trigger inputs 1 output 24 V 1 enable input
<b>Additional Connections</b>	Motor holding brake Temperature sensors
<b>Encoder Interfaces</b>	EnDat 2.2 Resolver
<b>Slots</b>	-
<b>Variations</b>	Also available with additional digital in/out Also available with additional analog inputs
<b>Dimensions [mm]</b>	Width: 65 Height: 158 Depth: 103

<b>Features</b>	Integrated line filter Integrated braking resistor Integrated electronic restart inhibit		Integrated line filter Integrated braking resistor Integrated electronic restart inhibit Integrated DC bus power supply	
<b>Power Mains Connection</b>	3x 400 VAC to 480 VAC ±10 % 50/60 Hz		3x 400 VAC to 480 VAC ±10 % 50/60 Hz	
<b>Installed Load</b>	Max. 1.35/2.1 kVA	Max. 3/5/10 kVA	Max. 17/30 kVA	Max. 17/30 kVA
<b>24 VDC Power Supply</b>	External		External and integrated DC bus power supply	
<b>Motor Connector</b>	Continuous current 1/1.6 A <sub>eff</sub> Peak current 2.8/5 A <sub>eff</sub> Short circuit/ground fault protection	Continuous current 2.2/4.4/8.8 A <sub>eff</sub> Peak current 14/24/24 A <sub>eff</sub> Short circuit/ground fault protection	Continuous current 19/34 A <sub>eff</sub> Peak current 50/80 A <sub>eff</sub> Short circuit/ground fault protection	Continuous current 64/128 A <sub>eff</sub> Peak current 200/300 A <sub>eff</sub> Short circuit/ground fault protection
<b>I/O Connections</b>	2 trigger inputs 2 limit switch inputs and 1 reference input 1 enable input (Cat. 3 EN 954)		2 trigger inputs 2 limit switch inputs and 1 reference input 1 enable input (Cat. 3 EN 954) 1 output 24 V	
<b>Additional Connections</b>	Motor holding brake Temperature sensors		Motor holding brake Temperature sensors External braking resistor	
<b>Optional Plug-in Modules</b>	CAN interface (8AC110.60-2) POWERLINK V2 interface (8AC114.60-2) EnDat encoder interface (8AC120.60-1) Resolver interface (8AC122.60-3) SSI and incremental encoder interface (8AC123.60-1) BiSS encoder interface (8AC125.60-1) Digital mixed module (8AC130.60-1) Mixed module (8AC131.60-1) CPU modules (8AC140.60-2 / 8AC140.61-3 / 8AC141.60-2 / 8AC141.61-3)			
<b>Slots</b>	3	4	4	4
<b>Variations Power Mains Connection</b>	1x 110 VAC to 230 VAC ±10 % (3x 110 VAC to 230 VAC ±10 %)	-	-	-
<b>Dimensions [mm]</b>	Width: 58.5 Height: 257 Depth: 220	Width: 70.5 Height: 375 Depth: 235.5	Width: 200 Height: 375 Depth: 234	Width: 276/402 Height: 460 Depth: 295

<b>Features</b>	Passive Power supply modules	Power supply modules Capable of regeneration Power Factor Control (PFC) 2 slots for plug-in modules		Inverter modules Uncontrolled stops and secure halt integrated Integrated connection for motor holding brake and temperature sensor 2 slots for plug-in modules			Control supply units For supplying external 24 V/42 V devices Extensive protective measures
<b>Mounting Options</b>	Wall mounting Cold plate mounting Feed-through mounting						
<b>Power Mains Connection</b>	3x380 to 3x500VAC ±10% 50/60 Hz	3x 220 VAC to 3 x 480 VAC ±10 % 50/60 Hz	3x 220 VAC to 3 x 480 VAC ±10 % 50/60 Hz	Supply via backplane			
<b>Installed Load</b>	Max. 15.2/30.5 kVA	Max. 15.6/31.2 kW	Max. 62.4 kW	Max. 1.5/2.9/5.7/11.3 kW	Max. 16.5/24.4/32.5 kW	Max. 65 kW	Max. 0.47/0.94 kW
<b>24 VDC Power Supply</b>	Internal via backplane						
<b>DC Bus Connection</b>	Continuous power 8/16 kW Peak power 24/48 kW Short circuit/ground fault protection	Continuous power 15/30 kW Peak power 37.5/60 kW Short circuit/ground fault protection	Continuous power 60 kW Peak power 120 kW Short circuit/ground fault protection	-			
<b>Motor Connector</b>	-			Continuous power 1.4/2.8/5.5/11 kW Continuous current 1.9/3.8/7.6/15.1 A <sub>eff</sub> Peak current 4.7/9.5/18.9/37.7 A <sub>eff</sub> Short circuit/ground fault protection	Continuous power 16/24/32 kW Continuous current 22/33/44 A <sub>eff</sub> Peak current 55/83/88 A <sub>eff</sub> Short circuit/ground fault protection	Continuous power 64 kW Continuous current 88 A <sub>eff</sub> Peak current 176 A <sub>eff</sub> Short circuit/ground fault protection	-
<b>24 VDC Internal</b>	-						
<b>I/O Connections</b>	1 auxiliary supply module - enable output	2 trigger inputs 2 outputs 24 V 1 auxiliary supply module - enable output	2 trigger inputs 2 outputs 24 V 1 auxiliary supply module - enable output	2 trigger inputs 2 outputs 24 V 2 enable inputs per axis (Cat. 4 EN 954)	2 trigger inputs 2 outputs 24 V 2 enable inputs per axis (Cat. 4 EN 954)	2 trigger inputs 2 outputs 24 V 2 enable inputs per axis (Cat. 4 EN 954)	1 auxiliary supply module - enable input
<b>Additional Connections</b>	POWERLINK External braking resistor	POWERLINK Temperature sensors Filter fans		POWERLINK Temperature sensors Motor holding brake			-
<b>Optional Plug-in Modules</b>	-			EnDat 2.1 encoder interface (8BAC0120.000-1) EnDat 2.2 encoder interface (8BAC0120.001-1) Resolver interface (8BAC0122.000-1) Incremental/SSI encoder interface (8BAC0123.000-1) Incremental encoder interface 5V (8BAC0123.001-1) Incremental encoder interface 24V (8BAC0123.002-1) SinCos encoder interface (8BAC0124.000-1) DIO interface (8BAC0130.000-1) DO interface (8BAC0130.001-1) 4xAI interface (8BAC0132.000-1)			
<b>Slots</b>	-	2	2	2	2	2	-
<b>Variations</b>	-			Also available as two-axis modules	Also available as two-axis module (8BVI0220)		-
<b>Dimensions [mm]</b>	Width: 106.5 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)	Width: 106.5 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)	Width: 213.5 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)	Width: 53 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)	Width: 106.5 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)	Width: 213.5 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)	Width: 53 Height: 317 Depth: 263 (wall mounting) 212 (cold plate mounting) 209 (feed-through mounting)



Mounting plates  
8B0M



Regeneration chokes  
8BVR



Expansion modules  
8BVE



Condensator modules  
8B0K