

Products for Specific Requirements

Introduction

Automatic door controls



SIIDOR ATD410W
machine tool door drive



SIIDOR ATD420W
machine tool door drive

Controllers for industrial applications

Characteristics

• Application	Door controls for industrial protective doors on grinding, milling and machine tools	Door controls for industrial protective doors on grinding, milling and machine tools
• Max. dynamic door weight	600 kg	600 kg
• Automatic door weight detection – hence stable drive characteristics and reduced service costs	✓	✓
• SIIDOR User Software (included in the Software Kit)	Optional	Optional
• Configurable	STEP 7 / TIA	STEP 7 / TIA
• Part positioning function	Parameterizable	Parameterizable
• "Emergency Stop" function	Configurable	Configurable
• "Manual operation" function	Configurable	Configurable
• "Assisted drive" function	✓	✓
• "Impulse drive" function	✓	✓
• "Safe disconnection" function	✓	✓
• Opening speeds	0.2 ... 0.8 m/sec	0.2 ... 0.8 m/sec
• Active braking	Parameterizable	Parameterizable
• Maximum door width	5 m	5 m
• Default energy and force limits	10 J / 150 N	10 J / 150 N
• Maximum force for motor version	M3/MDG 180:300N ;M4/MDG400: 360N	M3/MDG 180:300N ;M4/MDG400: 360N
• Connectable safety devices	LB, DCPS, ESPE TYPE 2, SE	LB, DCPS, ESPE TYPE 2, SE
• Flexible motor management	SIIDOR M3, MDG180, M4; MDG400, M5	SIIDOR M3, MDG180, M4; MDG400, M5
• Degree of protection	IP20	IP20
• Performance level according to ISO 13849-1	"d" (energy limit, force limit, position determination, monitoring of external protective device)	"d" (energy limit, force limit, position determination, monitoring of external protective device)
• Communication interfaces	USS, RS485 (Service)	PROFIBUS, RS485 (Service)
• STANDARD	EN 953, EN ISO 13849-1 15/86 to 15/88	EN 953, EN ISO 13849-1 15/89 to 15/92

✓ Has this function

For more information, see [Industry Mall](http://www.siemens.com/sidoor) or
www.siemens.com/sidoor.