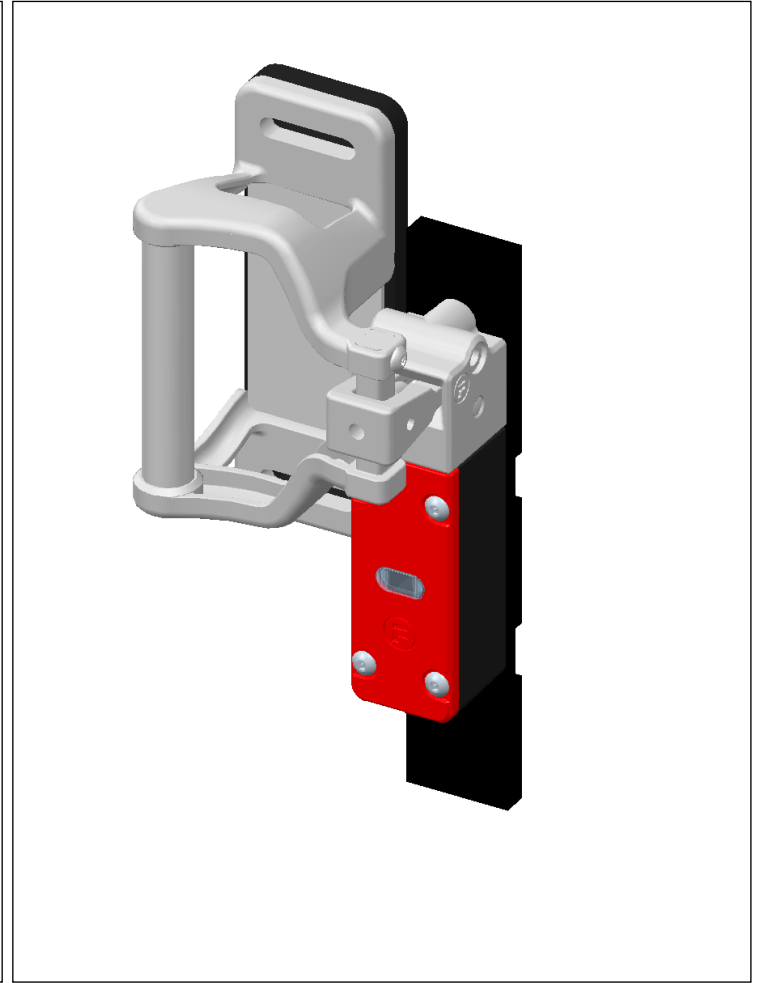
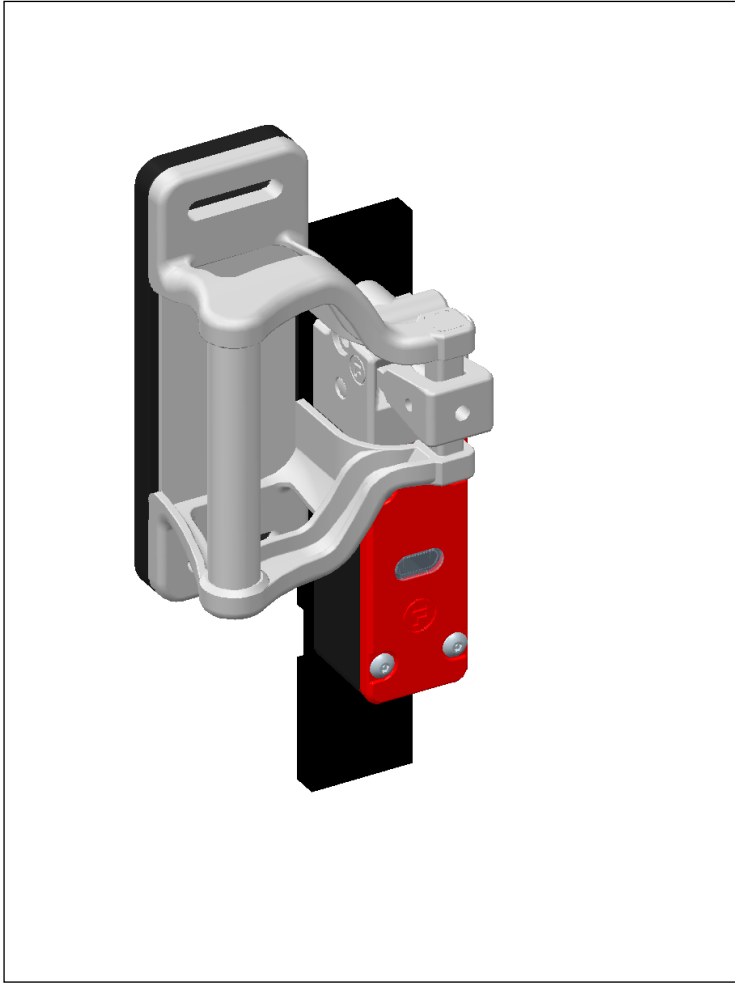


Datasheet for HS1S6ST401MPB94MPB05



Breakdown List

Item number: ITM-00310894	
Part	Description
HS1	S40 Hinged handle for use with S6 & STOP with Front Facing
S6	S40 compact AT style head with No Lockout
ST401	STOP body, 24v, Stop/EXP/UXP, Std & Sourcing
MPB94	Actuator Plate for HandleproHinged

Datasheet for HS1S6ST401MPB94MPB05

Technical Specification

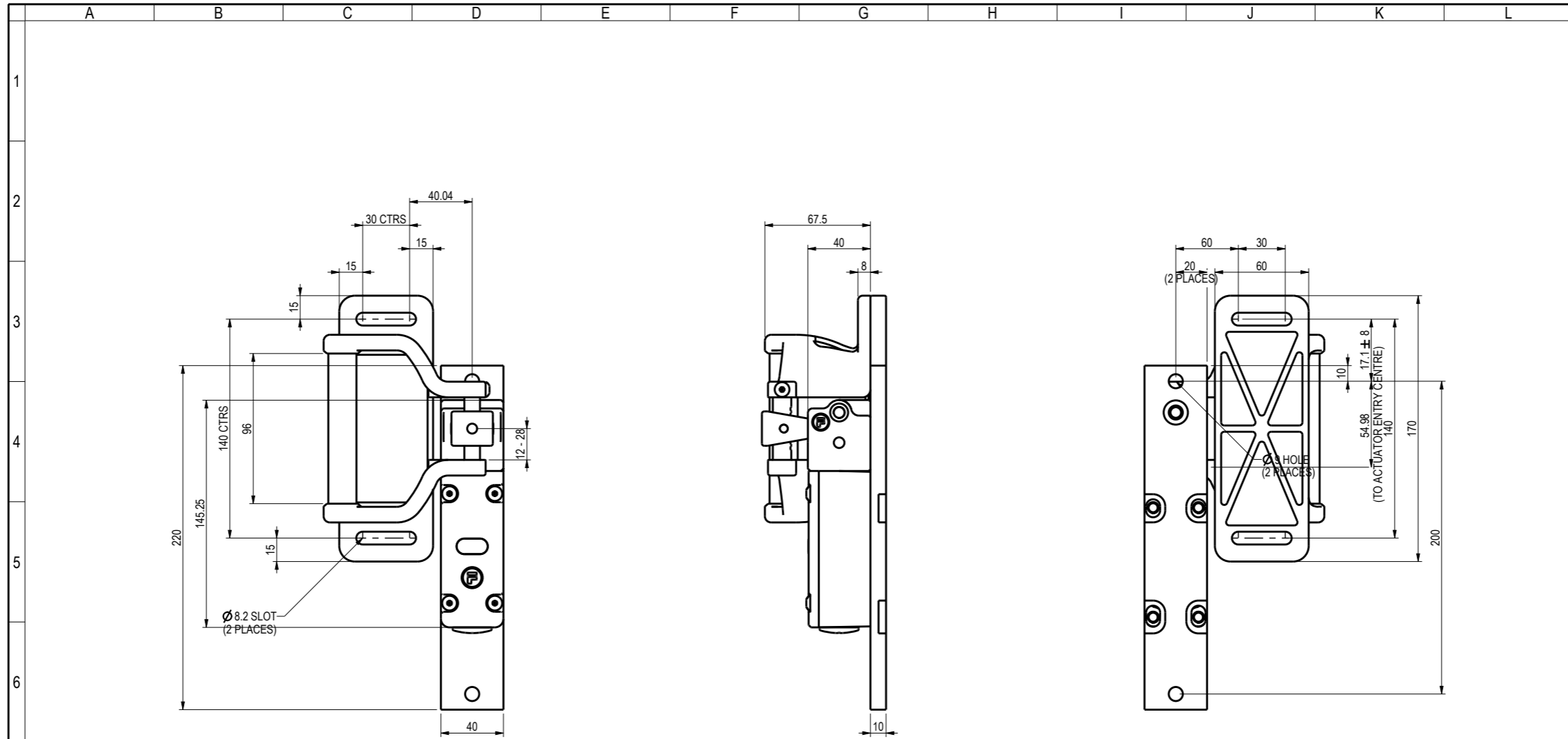
amGardpro is the ultimate range of safety gate switches, from Fortress Interlocks. The range has a unique modular construction which allows easy configuration and provides total electro-mechanical solutions for practically any safeguarding application up to SIL3 (EN/IEC 60261) Category 4 and PLe (EN/ISO 13849-1), as approved by independent test house TUV.

Technical Specification

Housing Materials	S6	Stainless Steel to BS3146
	ST401	Zinc Alloy to BSEN12844
Materials	MPB94	Painted Die Cast Aluminium
Colour	S6	Stainless Steel
	MPB94	Black
Paint Finishes	ST401	Gloss Powder Coat on Passivated Base Material
Ambient Temperature		-5°C to 80°C (23°F to 176°F)
Environment	HS1	Indoor & Outdoor
	S6	
	ST401	
	MPB94	Indoor
Ingress Protection	HS1	IP67
	S6	
	ST401	
	MPB94	
Retention Force	HS1	10,000N(locked)
	S6	
	MPB94	10Kn
Mechanical Life	HS1	1,000,000 Operating Cycles
	S6	5,000,000 Switching Cycles
	ST401	1,000,000 Switching Cycles
Maximum Frequency of Operations	ST401	7,200 per hour
Safety Circuit Switching Principal	ST401	Positive Break
Maximum Switch Current	ST401	3A
Utilisation Category	ST401	AC 15 or DC 13
Insulating Voltage	ST401	2500V AC
Insulating Resistance	ST401	20M Ohm
Minimum Switch Current	ST401	1mA at 5VDC
Control Voltage	ST401	24V ac/dc, 110V ac, 230V ac
Cable Size	ST401	28 - 24 AWG
Connector Type	ST401	Spring Activated Vibration Proof Block
B10d	HS1	5,000,000
	S6	
	ST401	
Performance Level	HS1	PLe
	S6	
	ST401	
Diagnostic Coverage	ST401	A maximum DC of 99% can be achieved with suitable monitoring
λ_d	ST401	10%
DC	ST401	Position Monitoring

Datasheet for HS1S6ST401MPB94MPB05

Full Dimensional Drawing



NOTE:
ALL FIXING POINTS ARE TO ACCUMULATE
AN INCREMENT TOLERANCE OF $\pm 0.2\text{mm}$

THE COPYRIGHT OF THIS DRAWING BELONGS TO FORTRESS INTERLOCKS Ltd. THE CONTENT OF THIS DRAWING IS CONFIDENTIAL AND MUST NOT BE DISCLOSED TO ANY 3rd PARTY WITHOUT OUR SPECIFIC, WRITTEN APPROVAL.		TITLE: HS1-S6-ST401-MPB94-MPB05		ISSUE: 0	
 www.fortressinterlocks.com		DO NOT SCALE. IF IN DOUBT ASK! ALL DIMENSIONS ARE IN mm (UOS) REMOVE ALL SHARP EDGES, BURRS AND FLASH		RELEASE LEVEL: Design In Progress	
 ORIGINAL SIZE A3		DWG NO.: ITM-00310894A720621		PART NO.: ITM-00310894A720621	
		SHEET 1 OF 1		SCALE: 0.40	
		MATERIAL: NOT APPLICABLE		DATE: 23-08-23	
		FINISH: SELF		DRAWN BY: AUTO	
		GENERAL TOLERANCE: $\pm 0.1 / \pm 0.5^\circ$		CHECKED BY: N/A	
				VOLUME: MM ³	