

Limit Switches — continued

Safety Type, Positive Break -Type GSS
DIN Standard 10A Thermal (IEC 947-5-1)

Honeywell



Roller lever Pin plunger Roller plunger Roller arm
Body: H (to fixing centres) = 75.8, W = 42, D = 41.6
Fixing centres = 60 30 (2.53 0, 2 slot 7.3 5.3)

- Snap action contacts with positive break for extended switching life
- Slow action contacts make before break have no hysteresis
- 2 circuit and 4 circuit options available
- Sequential operation type offers alarm output from first set of contacts prior to the second set being activated
- Conforms to EN50041, IEC 947-5-1/EN60947-5
- Sealed to IP67
- UL and CSA approved

Mechanical life 15 million ops Conduit entry 20mm
Operating temperature -25°C to +85°C

CTL280

Mfrs. List No.	Order Code	1+	5+	10+	20+	50+
Two Circuit (1NC +1NO)						
Roller lever GSAC01A1B	986-689					
Pin plunger GSAC01B	986-690					
Roller plunger GSAC01C	986-707					
Roller arm GSAC01D	986-719					
Two Circuit (1NC +1NO) Slow Action (MBB)						
Roller lever GSAC04A1B	986-720					
Pin plunger GSAC04B	986-732					
Roller plunger GSAC04C	986-744					
Roller arm GSAC04D	986-756					
Two Circuit (2NC)						
Roller lever GSAC06A1B	184-937					
Pin plunger GSAC06B	184-949					
Roller plunger GSAC06C	184-950					
Roller arm GSAC06D	184-962					
Four Circuit (2NC +2NO)						
Roller lever GSAC20A1B	986-768					
Roller plunger GSAC20C	986-770					
Four Circuit (2NC +2NO) Sequential Action						
Roller lever GSAC21A1B	986-781					
Roller plunger GSAC21C	986-793					
Four Circuit (4NC)						
Roller Lever GSAC40A1B	566-159					
Pin Plunger GSAC40B	566-172					
Top roller plunger GSAC40C	566-184					
Top roller arm GSAC40D	566-196					
Four Circuit (3NC+1NO)						
Roller Lever GSAC46A1B	566-202					
Pin Plunger GSAC46B	566-226					
Top roller plunger GSAC46C	566-238					
Top roller arm GSAC46D	566-240					

GSD - Hinged Safety Slider Switch

Honeywell



- Ideal for applications where it is impractical or inconvenient to fit a key switch to a door
- Switch functions by detecting when the door has been opened a few degrees
- Switch is fitted to the fixed part of the machine with the slider mechanism fitted to the door, usually the top
- Available with 1NC+1NO and 2NC options
- Sealed to **IP66**

Contact rating: 10A lth
Conduit entry: PG 13.5
Operating temperature: -25°C to +85°C

H = 93 (Body), W = 30.5, D = 30

GSDB03S1 = 305-4159, GSDB03S2 = 305-4160, GSDB03S3 = 305-4172,
GSDB06S1 = 305-4184, GSDB06S1 = 305-4156, GSDB06S1 = 305-4202,

CTL298

Contacts	Actuator	Order Code	1+	5+	10+	25+
1NC+1NO (BBM)	Slider Left	305-4159				
1NC+1NO (BBM)	Slider Centre	305-4160				
1NC+1NO (BBM)	Slider Right	305-4172				
2NO	Slider Left	305-4184				
2NO	Slider Centre	305-4196				
2NO	Slider Right	305-4202				

Hinge Operated Safety Switch

IMO



- Shaft connects directly to hinge - no operating cams required
- High tamper resistance
- Rotatable head mounting in four directions
- Available in hollow shaft and 69mm shaft versions
- **UL and CSA** approved

Standards: Conforms to **BS EN60204-1, BS EN1088** and **IEC 947-5-1**
Contact rating: 6A@230Vac, 4A@400Vac, 1A@500Vac
Conduit entry: PG 13.5
Operating temperature: -25°C to +80°C
Mechanical life: Greater than 1 million ops
Dimensions: Single conduit entry: H = 122.5, W = 40, D = 38.2
Shaft sizes: 24mm hollow shaft, 12mm \varnothing or 69mm solid shaft, 6.9mm \varnothing

CTL327

Mfrs. List No.	Safety Contacts	Shaft	Order Code	1+	5+	10+	25+
FR695-1	1N/O+1N/C	24mm	320-6531				
FR695-5	1N/O+1N/C	69mm	320-6543				
FR995-1	2N/C	24mm	320-6555				
FR995-5	2N/C	69mm	320-6567				

Safety Switch, Hinged 'VK'

BERNSTEIN



- Compact body to **DIN 50047**
- Left hand, right hand or vertical head
- Slow make/break positive drive NC contacts
- Suitable for safety applications
- Hinged snap-shut lid seals to **IP65**

Housing Thermoplastic (UL94-V0)
Cable entry PG 11
Operating temp -30°C to +80°C
Mechanical life 1 10⁶ switch operations
Max inrush current **IEC 947-5-1, AC 15, DC 13**
Max voltage 500Vac
Thermal current I_{th} 10A
Approvals **UL, CSA**

Body H = 62, (excluding head) W = 31, D = 30.5
Fixing centres = 22mm

CTL319

	Order Code	1+	5+	10+	50+
1NC, 1NO Left hand	320-5551				
1NC, 1NO Right hand	320-5563				
1NC, 1NO Vertical	320-5575				

General Purpose - Type - "WL"

OMRON

New



- Rugged diecast switch housing
- High mechanical strength
- Sealed to **IP67**
- Approved to **UL and CSA**
- Oil tight, waterproof and dustproof construction

Mechanical life 15,000,000 operation min.
Operating temperature -10°C to +80°C
Electrical life 750,000 operation min.
Rating 10A @ 125Vac resistive load
10A @ 250Vac resistive load

Order Codes	357-9530	357-9542	357-9554	357-9566	357-9578	357-9580
Operation force	13.34N	13.34N	1.39N	11.77N	26.7N	1.47N
Release force, min	2.23N	2.23N	0.27N	—	8.92N	—
Pre-travel, max.	15±5°	15±5°	15±5°	50±5°	1.7mm	20±10mm
Overtravel, min.	30°	30°	30°	35±5°	5.6mm	—
Movement diff, max.	12°	12°	12°	—	1mm	—

CTL345/SI