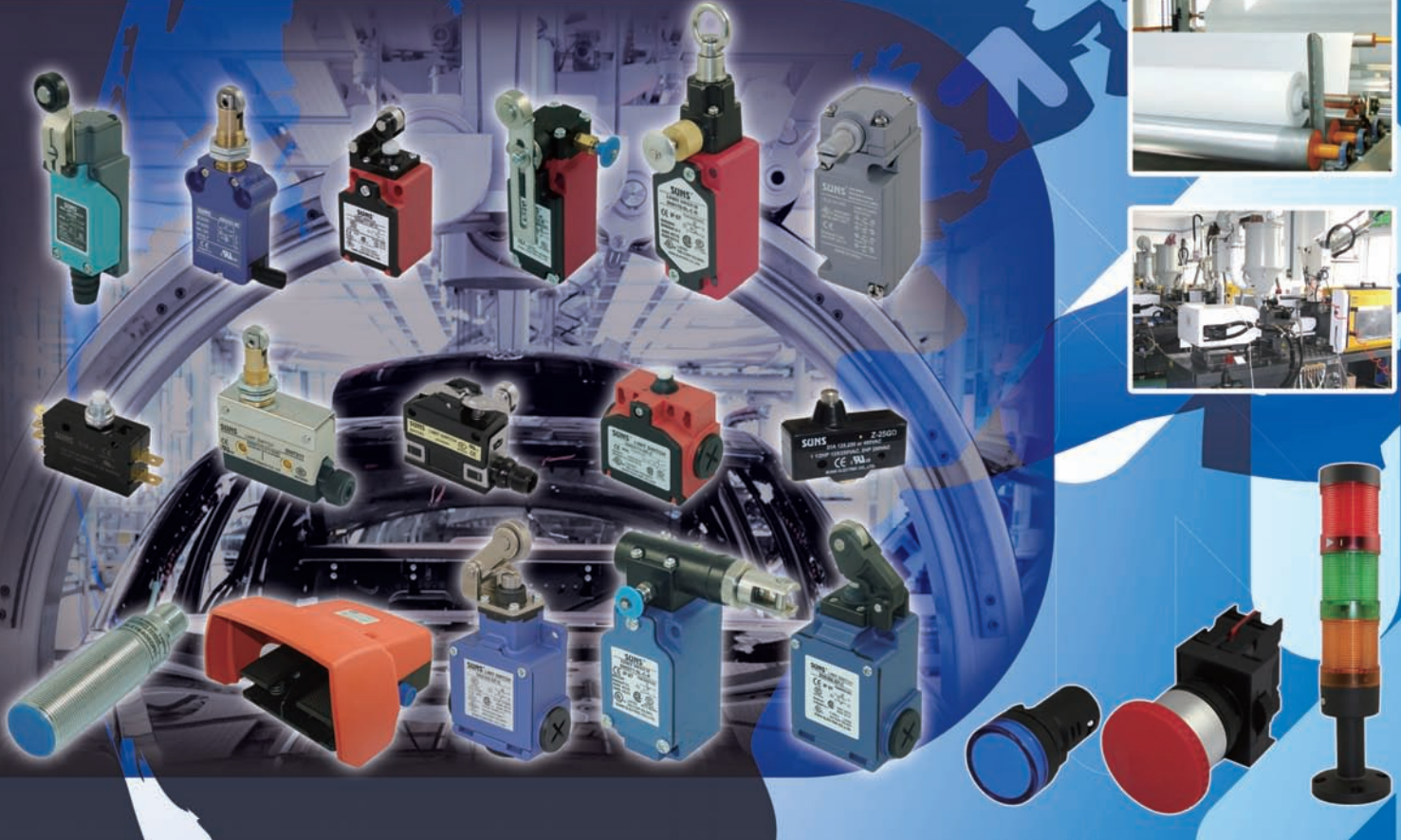


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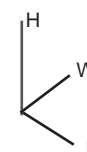








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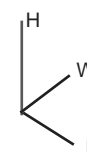








Safety Limit Switches

| Product Family | SMN4 | SND4 | SN4 | SND2 |
|--|--|---|---|--|
| Product Picture  |  |  |  |  |
| Body Dimensions (mm) LxWxH | 30 x 30 x 45 | 30 x 31 x 62 | 30.5 x 32 x 62 | 50.5 x 32.5 x 50.5 |
| Enclosure Material | Fiber-reinforced plastic | Fiber-reinforced plastic | Zinc alloy | Fiber-reinforced plastic |
| Characteristics | <ul style="list-style-type: none"> - Conforms to EN50047 - Miniature size - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG11 | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG13.5, 1/2NPT, M20 | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT | <ul style="list-style-type: none"> - EN50047 compatible - Positive opening contact - Galvanically separated contacts - Cable entries (2 opening): M16, PG13.5, 1/2NPT, M20 |
| Contact Configuration (available in snap and slow action) | 1NO/1NC, 2NO, 2NC | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC |
| IP/NEMA Ratings | IP66 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 4X, 6 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc |
| Certificates |  |  |  |  |










| Product Family | SN2 | SND6 | SN61 | SN63 |
|--|---|--|--|--|
| Product Picture  |  |  |  |  |
| Body Dimensions (mm) LxWxH | 52 x 33 x 64 | 40.5 x 40 x 74 | 40 x 42 x 78 | 57 x 36 x 70 |
| Enclosure Material | Zinc alloy | Fiber-reinforced plastic | Zinc alloy | Zinc alloy |
| Characteristics | <ul style="list-style-type: none"> - EN50047 compatible - 2 or 3 conduit openings - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT | <ul style="list-style-type: none"> - Conforms to EN50041 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20, 1/2NPT | <ul style="list-style-type: none"> - Conforms to EN50041 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20, 1/2NPT | <ul style="list-style-type: none"> - Compatible to EN50041 - 3 conduit openings - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, 1/2NPT, M20 |
| Contact Configuration (available in snap and slow action) | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC |
| IP/NEMA Ratings | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc |
| Certificates |  |  |  |  |

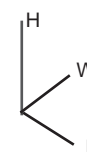










| Product Family | HMS Heavy Duty NEMA Style | HLS Heavy Duty NEMA Style | HES Explosion-proof | SN62 |
|--|--|--|--|--|
| Product Picture  |  |  |  |  |
| Body Dimensions (mm) LxWxH | 42 x 44.6 x 80 | 42 x 44.6 x 102.5 | 69 x 53.5 x 155.5 | 40 x 40.4 x 69.3 |
| Enclosure Material | Zinc alloy | Zinc alloy | Aluminum alloy | Aluminum alloy |
| Characteristics | <ul style="list-style-type: none"> - NEMA style heavy duty - Plug-in style - Cable entry: M20, 1/2NPT | <ul style="list-style-type: none"> - NEMA style heavy duty - Plug-in style - Cable entry: M20, 1/2NPT | <ul style="list-style-type: none"> - NEMA style heavy duty - Explosion-proof - Cable entry: M20, 1/2NPT, 3/4NPT | <ul style="list-style-type: none"> - Compatible to EN50041 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, 1/2NPT, M20 |
| Contact Configuration | 1NO/1NC, 2NO/2NC | 1NO/1NC, 2NO/2NC | 1NO/1NC, 2NO/2NC | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC |
| IP/NEMA Ratings | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6, 7, 9 | IP67 / NEMA 4, 6 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc |
| Certificates |  |  |  |  |

| Product Family | SN31 Pre-wired (IP67) | SN32 Pre-wired (IP67) | SM31/SM31N Modular(IP67) | SM32/SM32N Modular(IP67) |
|--|---|---|---|---|
| Product Picture  |  |  |  |  |
| Body Dimensions (mm) LxWxH | 30 x 16 x 50 | 40 x 16 x 50 | 30 x 16 x 50 | 30 x 16 x 50 |
| Enclosure Material | Zinc alloy | Zinc alloy | Zinc alloy or fiber reinforced plastics | Zinc alloy or fiber reinforced plastics |
| Characteristics | <ul style="list-style-type: none"> - Epoxy potted - Positive opening contact - Galvanically separated contacts - Mounting spacing: 20mm | <ul style="list-style-type: none"> - Epoxy potted - Positive opening contact - Galvanically separated contacts - Mounting spacing: 25mm | <ul style="list-style-type: none"> - Epoxy potted - Positive opening contact - Galvanically separated contacts - Mounting spacing: 20mm | <ul style="list-style-type: none"> - Epoxy potted - Positive opening contact - Galvanically separated contacts - Mounting spacing: 25mm |
| Contact Configuration | 1NO/1NC (snap or slow action) | 1NO/1NC (snap or slow action) | 1NO/1NC, 2NO, 2NC, 2NO/1NC, 2NC/1NO, 2NO/2NC (snap or slow action) | 1NO/1NC, 2NO, 2NC, 2NO/1NC, 2NC/1NO, 2NO/2NC (snap or slow action) |
| IP/NEMA Ratings | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 |
| Contact Ratings | A300/Q300 | A300/Q300 | B300/R300 | B300/R300 |
| Actuator | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc |
| Certificates |  |  |  |  |



| Product Family | SNB Crane Limit Switches | SNH Crane Limit Switches | CP8 Crane Limit Switches | SNH Belt Alignment Switches |
|--|--|--|--|--|
| Product Picture  |  |  |  |  |
| Body Dimensions (mm) LxWxH | 77 x 35.6 x 81 | 85 x 53 x 85 | 106 x 61 x 124 | 85 x 53 x 85 |
| Enclosure Material | Zinc alloy | Zinc alloy | Aluminum alloy | Zinc alloy |
| Characteristics | <ul style="list-style-type: none"> - Positive opening contact - Galvanically separated contacts - Cable entry: M20, 1/2NPT PG13.5 | <ul style="list-style-type: none"> - Positive opening contact - Galvanically separated contacts - Cable entry: 1/2NPT, M20 PG13.5 | <ul style="list-style-type: none"> - Positive opening contact - Galvanically separated contacts - Cable entry: M20, 1/2NPT PG13.5 | <ul style="list-style-type: none"> - Positive opening contact - Galvanically separated contacts - Cable entry: 1/2NPT, M20 PG13.5 |
| Contact Configuration | 4NC | 2NO/2NC, 4NO, 4NC | 1NO/1NC, 2NO, 2NC | 1NO/1NC, 2NO, 2NC |
| IP/NEMA Ratings | IP66 / NEMA 4 | IP54 / NEMA 5 | IP66 / NEMA 4 | IP54 / NEMA 5 |
| Contact Ratings | A600/Q300 | A600/Q300 | 25A/250VAC or A600/Q300 | A600/Q300 |
| Actuator | double-cross rods | actuator heads including: roller lever, adj. roller lever, rod, double-cross rods | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc |
| Certificates |  |  |  |  |

| Product Family | SN1 Precision Limit Switches | SN9 Enclosed Limit Switches | SN7 Enclosed Limit Switches | GPS-1/2 Neutral switch Reverse switch |
|--|--|--|--|--|
| Product Picture  |  |  |  |  |
| Body Dimensions (mm) LxWxH | 44.5 x 18 x 32.4 | 86 x 25.5 x 44.6 | 54 x 21.4 x 43 | 31 x 27 x 27 |
| Enclosure Material | Zinc alloy | Aluminum alloy | Plastic (94-V0) | Zinc alloy |
| Characteristics | <ul style="list-style-type: none"> - Compact size - High sealability - High sensitivity - Built-in cable gland - Cable gland fit 6-9mm dia. cable wires - M12 quick connector type available | <ul style="list-style-type: none"> - Large wiring enclosure - High repeatability - Large breaking power - Cable entry: 1/2NPT, M20 | <ul style="list-style-type: none"> - Compact size - Built-in cable gland - Fit 8.5 -10.5mm cables | <ul style="list-style-type: none"> - Electrically Life:1000000 - Mechanically Life:5000000 |
| Contact Configuration | SPDT | SPDT/DPDT | SPDT | 1NC,1NO |
| IP/NEMA Ratings | IP67 / NEMA 4, 6 | IP60 or IP65 (NEMA 4) | IP64 or IP67 (NEMA 4,6) | IP67 |
| Contact Ratings | 5A 250VAC / 5A 30VDC | 15A, 20A, 25A (up to 480V) | 250VAC/3A,250VDC/0.27A | 5A/32VDC |
| Actuator | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | |
| Certificates |  |  |  |  |



Limit Switches and Door Contacts

| Product Family | AZ8 Limit Switches | SMN5 Limit Switches | SN5 Limit Switches | S-6098 Elevator Limit Switches |
|----------------------------|---|---|---|---|
| Product Picture | | | | |
| Body Dimensions (mm) LxWxH | 28 x 25 x 64 | 33 x 33x 60.5 | 33 x 34 x 60.6 | 80 x 140 x 40 |
| Enclosure Material | Zinc cast base/plastic cover | Zinc alloy | Zinc alloy | Galvanized steel enclosure |
| Characteristics | <ul style="list-style-type: none"> - Compact size - Premolded flexible cable gland or M16 conduit | <ul style="list-style-type: none"> - All metal construction - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG11 | <ul style="list-style-type: none"> - Pre-molded flexible cable gland for fast and simple wiring termination - Highly rigid construction | <ul style="list-style-type: none"> - Self-cleaning contacts - Automatic safety tripping mechanism |
| Contact Configuration | 1NO/1NC | 1NO/1NC, 2NO, 2NC (Snap action or Slow action) | 1NO/1NO | 1NC, 1NO, 2NC, 2NO |
| IP/NEMA Ratings | IP65 / NEMA 4 | IP66 / NEMA 4 | IP65 | IP40 |
| Contact Ratings | A300 (10A/250V) | A600/Q300 | A600/Q300 | 5A 120/250VAC 2.5A 120/250VDC |
| Actuator | plunger, roller, roller lever, rod, spring wire, cat whisker, wobble stick | plunger, roller, roller lever, rod, spring wire, cat whisker, wobble stick | plunger, roller, roller lever, rod, spring wire, wobble stick | |
| Certificates | | | | |

| Product Family | EDC-5/ EDC-6 Door Contact | EDC-71/72 Door Contact | V-10G/V-15G Micro Switches | SXP Door Interlock |
|----------------------------|---|---|---|--|
| Product Picture | | | | |
| Body Dimensions (mm) LxWxH | 50 x 16(19) x 24.5 | 44 x 18.6 x 43 | 27.8 x 10.3 x 13.1 | 30 x 12.4 x 30 (33.6) |
| Enclosure Material | Plastic (94-V0) | Plastic (94-V0) | | |
| Characteristics | <ul style="list-style-type: none"> - Self-cleaning double break contact for long service life - Positive opening contact - Quiet functioning Dimension for EDC-5 52 x 16(19) x 31.5 | <ul style="list-style-type: none"> - Self-cleaning double break contact for long service life - Positive opening contact - Quiet functioning | <ul style="list-style-type: none"> - Long service life - Wide choice of head - Low force option - Positive opening option | <ul style="list-style-type: none"> - Long service life - Pull to test function - Double break |
| Contact Configuration | 1NC | 1NC | SPDT | SPDT |
| IP/NEMA Ratings | | | | |
| Contact Ratings | 2A/230VAC; 2A/200VDC | 2A/230VAC; 2A/200VDC | 10/15A 250V | A300 (10A, 300V) |
| Actuator | DCA-18, DCA-21, DCA-24 DCA-S, DCA-F, DCA-F2 | DCA-18, DCA-21, DCA-24 DCA-S, DCA-F, DCA-F2 | 10+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | |
| Certificates | | | | |



Micro Switches

| Product Family | Z-15/20/25G Micro Switches | ZY-10G Micro Switches | ZD-10G Micro Switches | SW31/32 Micro Switches |
|----------------------------|--|---|---|--|
| Product Picture |  |  |  |  |
| Body Dimensions (mm) LxWxH | 49.2 x 17.5 x 24 | 49.2 x 17.4 x 26.5 | 49.2 x 17.4 x 26.5 | 64 x 21 x 32.5 |
| Enclosure Material | Phenolic | Phenolic | Phenolic | Plastics (94V-0) |
| Characteristics | <ul style="list-style-type: none"> - Long service life - Wide choice of head | <ul style="list-style-type: none"> - Long-life mechanism - High temperature rating - 5 terminals(share common) | <ul style="list-style-type: none"> - Long-life mechanism - High temperature rating - 6 terminals | <ul style="list-style-type: none"> - Long-life mechanism - Double break - High temperature rating |
| Contact Configuration | SPDT | 2NO/2NC | 2NO/2NC | 1NO/1NC or 2NO/2NC |
| IP/NEMA Ratings | | | | |
| Contact Ratings | 15A, 20A, 25A (0-480V) | 10A(0-250V) | 10A(0-250V) | 15A/300V, A600/Q300 |
| Actuator | actuator heads including: plunger, roller, lever, panel mount, roller lever etc | actuator heads including: plunger, roller, lever, panel mount, roller lever etc | actuator heads including: plunger, roller, lever, panel mount, roller lever etc | button, panel mount plunger, panel mount roller plunger |
| Certificates |  |  |  |  |

| Product Family | ZS-15 Micro Switches | SLD-7 Sealed Micro Switches | S-13/14 Micro Switches | S-19/20 Micro Switches |
|----------------------------|---|---|--|--|
| Product Picture |  |  |  |  |
| Body Dimensions (mm) LxWxH | 49.2 x 17.4 x 26.5 | 35 x 11 x 17.2(28.8) | 46.3 x 15.8 x 16.3 | 46.3 x 15.8 x 28.6 |
| Enclosure Material | Plastics (94V-0) | Plastic (94-V0) | Phenolic | Phenolic |
| Characteristics | <ul style="list-style-type: none"> - IP67 water-proof - Positive opening contact - Long service life | <ul style="list-style-type: none"> - Long service life - Prewired | <ul style="list-style-type: none"> - Long-life mechanism - Low cost - High temperature rating | <ul style="list-style-type: none"> - Long-life mechanism - Low cost - High temperature rating |
| Contact Configuration | 1NO/1NC | SPDT | 1NO, 1NC, 1NO/1NO | 2NO, 2NC, 2NO/2NO |
| IP/NEMA Ratings | IP67 | IP67 / NEMA 4, 4X, 6 | | |
| Contact Ratings | 15A/300V | 10/15A 250V | 15A,20A,25A,30A (0-480V) | 15A, 20A, 25A (0-480V) |
| Actuator | button, lever, roller lever, panel mount | button or lever | button, lever, roller lever, panel mount | button, lever, roller lever, panel mount |
| Certificates |  |  |  |  |











Safety Switches









| Product Family | SMN4191 Key Interlock Switches | SND4191 Key Interlock Switches | SND2191 Key Interlock Switches | SND-K Key |
|----------------------------|---|--|--|--|
| Product Picture | | | | |
| Body Dimensions (mm) LxWxH | 30 x 30 x 45 | 30 x 31x 62 | 58 x 31.8 x 94 | |
| Enclosure Material | Fiber-reinforced plastic | Fiber-reinforced plastic | Fiber-reinforced plastic | Stainless steel |
| Characteristics | <ul style="list-style-type: none"> - Conform to EN50047 - Miniature size - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG11 | <ul style="list-style-type: none"> - Conform to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG13.5, 1/2NPT, M20 | <ul style="list-style-type: none"> - EN50047 compatible - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT | - For use with SMN4191, SND4191, SND2191 |
| Contact Configuration | 1NO/1NC, 2NC | 1NO/1NC, 2NC/1NO, 2NC, 3NC | 1NO/1NC, 2NC/1NO, 2NC, 3NC | |
| IP/NEMA Ratings | IP66 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 4X | IP67 / NEMA 4, 4X | |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | |
| Actuator | Three actuating keys available | Three actuating keys available | Three actuating keys available | |
| Certificates | | | | |

| Product Family | SS6191/SSD6191 Solenoid Key Interlock | SN6191 Key Interlock Switches | SN6-K1 Key | SN6-K2 Key |
|----------------------------|--|---|--|--|
| Product Picture | | | | |
| Body Dimensions (mm) LxWxH | 40 x 46 x 194 | 40 x 42 x 78 | | |
| Enclosure Material | Fiber-reinforced plastic or Metal zinc die cast | Zinc alloy | SN6-K3 Key | SN6-K4 Key |
| Characteristics | <ul style="list-style-type: none"> - Solenoid: 24V, 120 or 240V - Positive opening contact - Power-to-lock or power-to-unlock - Optional indicator light - Cable entry: M20x1.5 (3) | <ul style="list-style-type: none"> - Conform to EN50041 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, 1/2NPT, M20 | | |
| Contact Configuration | 2NO/2NC, 3NC/1NO, 4NC | 1NO/1NC, 2NC/1NO, 2NC, 3NC | | |
| IP/NEMA Ratings | IP66 / NEMA 4, 4X | IP67 / NEMA 4, 6 | Stainless steel | Stainless steel |
| Contact Ratings | A600/Q300 | A600/Q300 | | |
| Actuator | Four actuating keys available | Four actuating keys available | - For use with SN6191, SS6191, SSD6191 | - For use with SN6191, SS6191, SSD6191 |
| Certificates | | | | |



Safety Switches

| Product Family | SND4181 Rotary Hinged | SND4182 Hinged Safety | SND2101 Hinged Safety | SND4-R / SN4-R With Reset |
|----------------------------|---|---|---|---|
| Product Picture |  |  |  |  |
| Body Dimensions (mm) LxWxH | 30 x 31 x 62 | 30 x 31 x 62 | 118 x 36 x 92 | 30 x 31 x 62 |
| Enclosure Material | Fiber-reinforced plastic | Fiber-reinforced plastic | Fiber-reinforced plastic | Zinc or fiber-reinforced plastic |
| Characteristics | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG13.5, 1/2NPT, M20 | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT | <ul style="list-style-type: none"> - Compatible to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG13.5, 1/2NPT, M20 |
| Contact Configuration | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO |
| IP/NEMA Ratings | IP67 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 4X, 6 | IP65 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 4X, 6 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | | | | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc |
| Certificates |  |  |  |  |

| Product Family | SND6-R / SN6-R With Reset | SND2-R / SN2-R With Reset | SND4-LAT Latching Limit Switch | SSD4 Latching Limit Switch |
|----------------------------|---|---|---|--|
| Product Picture |  |  |  |  |
| Body Dimensions (mm) LxWxH | 40 x 42 x 78 | 50.5 x 32.5 x 50.5 | 30 x 30 x 62 | 40 x 35 x 106 |
| Enclosure Material | Zinc alloy or fiber reinforced plastic | Zinc or fiber-reinforced plastic | Fiber-reinforced plastic | Fiber-reinforced plastic |
| Characteristics | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT | <ul style="list-style-type: none"> - Compatible to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: M16, PG13.5, 1/2NPT, M20 | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - With reset - Galvanically separated contacts - Conduit entries: M16, PG13.5, 1/2NPT, M20 | <ul style="list-style-type: none"> - Conforms to EN50047 - Positive opening contact - Remote reset - Galvanically separated contacts - 3-Conduit entries: M16 |
| Contact Configuration | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO, 2NO/2NC | 1NO/1NC, 2NO, 2NC, 3NO 3NC, 2NC/1NO |
| IP/NEMA Ratings | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 4X | IP67 / NEMA 4, 4X, 6 | IP66 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | actuator heads including: plunger, roller, roller lever | 20+ actuator heads including: plunger, roller, roller lever, rod, spring wire etc | actuator heads including: plunger, roller, | plunger, roller lever |
| Certificates |  |  |  |  |



Cable Pull Switches

| Product Family | SN4170/SND4170 | SN6170/SND6170 | SN2170 | SN6271 |
|----------------------------|---|--|---|--|
| Actuating force | 20N | 50N 80N | 20N | 150N |
| Body Dimensions (mm) LxWxH | 30 x 31 x 62 | 40 x 42 x 78 | 52 x 33 x 64 | 40 x 40.4 x 69.3 |
| Enclosure Material | Fiber-reinforced plastic or zinc alloy | Fiber-reinforced plastic or zinc alloy | Zinc alloy | Aluminum alloy |
| Characteristics | <ul style="list-style-type: none"> - Max span 5 meters (16 ft) - One-way or two-way actuation - Pull-on/pull-off option - Lock and resettable option - Cable entry: M20, PG13.5 1/2NPT | <ul style="list-style-type: none"> - Max span 15 meters (49 ft) - One-way or two-way actuation - Lock and resettable option - Cable entry: PG13.5, 1/2NPT, M20 | <ul style="list-style-type: none"> - Max span 5 meters (16 ft) - Conforms to EN50047 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, M20 1/2NPT (x3) | <ul style="list-style-type: none"> - Max span 30 meters (98 ft) - Compatible to EN50041 - Positive opening contact - Galvanically separated contacts - Cable entry: PG13.5, 1/2NPT, M20 |
| Contact Configuration | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NO, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO |
| IP/NEMA Ratings | IP67 / NEMA 4, 4X, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | | | | actuator can be on the left or right side. |
| Certificates | | | | |

| Product Family | CP7170 | CP8171 | HLS-1A-70 | HES-1A-70 Explosion-proof |
|----------------------------|--|---|--|--|
| Product Picture | 250N | 250N | 80N | 80N |
| Body Dimensions (mm) LxWxH | 72 x 61 x 120 | 100 x 61 x 120 | 42 x 44.6 x 102.5 | 69 x 53.5 x 155.5 |
| Enclosure Material | Aluminum alloy | Aluminum alloy | Zinc alloy | Aluminum alloy |
| Characteristics | <ul style="list-style-type: none"> - Max span 80 meters (262 ft) - Options: E-stop, indicator - Positive opening contact - Galvanically separated contacts | <ul style="list-style-type: none"> - Max span 160 meters (524 ft) - Options: E-stop, indicator - Positive opening contact - Galvanically separated contacts | <ul style="list-style-type: none"> - Max span 30 meters (98ft) - Heavy duty body | <ul style="list-style-type: none"> - Max span 30 meters (98 ft) - Heavy duty body - Explosion-proof |
| Contact Configuration | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NC, 2NO, 2NC, 3NO, 3NC, 2NO/1NC, 2NC/1NO | 1NO/1NO, 2NO/2NC | 1NO/1NO, 2NO/2NC |
| IP/NEMA Ratings | IP67 / NEMA 4 | IP67 / NEMA 4 | IP67 / NEMA 4, 6 | IP67 / NEMA 4, 6, 7, 9 |
| Contact Ratings | A600/Q300 | A600/Q300 | A600/Q300 | A600/Q300 |
| Actuator | | actuator can be on left right or both direction | actuator can be on the left or right side. | actuator can be on the left or right side. |
| Certificates | | | | |



Indicator Lights and 22mm Operators









| Product Family | IL-1 | IL-2 | IL-3 | IL-4 |
|------------------------|---|---|---|---|
| Product Picture |  |  M8x0.5 |  M12x1 |  |
| | Indicator Lights | Indicator Lights | Indicator Lights | Indicator Lights |
| Mounting Hole Diameter | 5/16" (8mm) | 8.2mm | 12.2mm | 1/2" (12.7mm) |
| Characteristics | - Available colors: red, blue, green, amber | - Available colors: red, blue, green, amber | - Available colors: red, blue, green, amber | - Available colors: red, blue, green, amber |
| Lamp Voltage | 6, 12, 24, 48, 120V, 240V | 6, 12, 24, 48, 120V, 240V | 6, 12, 24, 48, 120V, 240V | 6, 12, 24, 48, 120V, 240V |
| Contact Ratings | | | | |
| IP/NEMA Ratings | IP40 (IP65 with seal) | IP40 (IP65 with seal) | IP40 (IP65 with seal) | IP40 |
| Certificates |  |  |  |  |









| Product Family | IL-5 | IL-6 | MB22-FP | MB22-S2 |
|------------------------|---|---|---|---|
| Product Picture |  |  |  |  |
| | Indicator Lights | Indicator Lights | Pushbuttons | 2 Position Selectors |
| Mounting Hole Diameter | 3/4" (18mm) | 22mm | 22mm | 22mm |
| Characteristics | - Available colors: red, blue, green, amber | - Available colors: red, blue, green, amber, white | - Available colors: red, blue, green, amber, black - 1NO/1NC | - Available colors: red, blue, green, amber, black - 1NO/1NC or 1NO/1NO |
| Lamp Voltage | 6, 12, 24, 48, 120V, 240V | 6, 12, 24, 48, 120, 240, 380, 600V | | |
| Contact ratings | | | | |
| IP/NEMA Ratings | IP65 | IP40 (IP65 with seal) | IP40 | IP40 |
| Certificates |  |  |  |  |









| Product Family | MB22-MP | MB22-ET | PB22-EP/FP | PB22-S/SL |
|------------------------|---|---|---|--|
| Product Picture |  |  |  |  |
| | Mushroom Pushbuttons | E-stop, Turn release | Illuminated Pushbuttons | Illuminated Selectors |
| Mounting Hole Diameter | 22mm | 22mm | 22mm | 22mm |
| Characteristics | - Available colors: red, blue, green, amber - 1NO/1NC | - Available colors: red, blue, green, amber - 1NO/1NC | - Plastic or metal ring - Available colors: red, blue, green, amber, black - Standard and illuminated | - Plastic or metal ring - Available knob colors: red, blue, green, amber, black - Standard and illuminated |
| Lamp Voltage | 6, 12, 24, 120, 240V | | 6, 12, 24, 120, 240V | 6, 12, 24, 120, 240V |
| Contact Ratings | A300/Q300 | A300/Q300 | A600/Q600 | A600/Q600 |
| IP/NEMA Ratings | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) |
| Certificates |  |  |  |  |



22mm Operators

| Product Family | PB22-MP | PB22-ET/ES | PB22-SK | PB22-MF |
|------------------------|---|--|--|---|
| Product Picture |  |  |  |  |
| | Mushroom Pushbuttons | Emergency Stop | Key Selector Switches | ON/OFF Pushbuttons |
| Mounting Hole Diameter | 22mm | 22mm | 22mm | 22mm |
| Characteristics | <ul style="list-style-type: none"> - Plastic or metal ring - Available colors: red, blue, green, amber, black - Standard and illuminated | <ul style="list-style-type: none"> - Plastic or metal ring - Push-pull or turn-reset | <ul style="list-style-type: none"> - Plastic or metal ring - 2 or 3 positions - Maintained or momentary | <ul style="list-style-type: none"> - Plastic or metal ring - Standard or with indicator |
| Lamp Voltage | 6, 12, 24, 120, 240V | 6, 12, 24, 120, 240V | | 6, 12, 24, 120, 240V |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/Q600 | A600/Q600 |
| IP/NEMA Ratings | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) |
| Certificates |  |  |  |  |









| Product Family | PBM22-FP/EP | PBM22-S/SL | PBM22-SK | PBM22-JS |
|------------------------|---|---|---|---|
| Product Picture |  |  |  |  |
| | Pushbuttons | Selector Switches | Key Selector Switches | Joystick |
| Mounting Hole Diameter | 22mm | 22mm | 22mm | 22mm |
| Characteristics | <ul style="list-style-type: none"> - Flush or extended button - Available button colors: red, blue, green, amber, black - Standard and illuminated | <ul style="list-style-type: none"> - Flush or extended button - Available knob colors: red, blue, green, amber, black - Standard and illuminated | <ul style="list-style-type: none"> - 2 or 3 positions - Maintained or momentary | <ul style="list-style-type: none"> - 3-position or 5-position - Maintained or momentary |
| Lamp Voltage | 6, 12, 24, 120, 240V | 6, 12, 24, 120, 240V | | |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/Q600 | A600/Q600 |
| IP/NEMA Ratings | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) |
| Certificates |  |  |  |  |









| Product Family | PBM22-MP | PBM22-ET/ES | PBM22-MF | PBM22-PL |
|------------------------|---|--|---|--|
| Product Picture |  |  |  |  |
| | Mushroom Pushbuttons | Emergency Stop | ON/OFF Pushbuttons | Pilot Lights |
| Mounting Hole Diameter | 22mm | 22mm | 22mm | 22mm |
| Characteristics | <ul style="list-style-type: none"> - Available knob colors: red, blue, green, amber, black | <ul style="list-style-type: none"> - Push-pull, turn-reset or key reset | | <ul style="list-style-type: none"> - Available colors: red, blue, green, amber, clear |
| Lamp Voltage | | | | 6, 12, 24, 120, 240V |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/Q600 | |
| IP/NEMA Ratings | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) | IP40 (or IP65) |
| Certificates |  |  |  |  |



30mm Operators

| Product Family | PBM30-FP/EP/GP | PBM30-S/SL | PBM30-MP | PBM30-ES/ET |
|------------------------|---|--|--|--|
| Product Picture |  |  |  |  |
| | Pushbuttons | Selector Switches | Mushroom Buttons | Emergency Stop |
| Mounting Hole Diameter | 30mm | 30mm | 30mm | 30mm |
| Characteristics | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available button colors: red, blue, green, amber, black, white, yellow - Extend, Flush or Guarded | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available knob colors: red, blue, green, amber, black - Maintained or momentary - 2, 3, 4 positions | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available colors: red, blue, green, amber, black, white, yellow | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Styles: push-pull |
| Lamp Voltage | | | | |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/Q600 | A600/Q600 |
| IP/NEMA Ratings | IP65 | IP65 | IP65 | IP65 |
| Certificates |  |  |  |  |









| Product Family | PBM30-SK | PBM30-BG | PBM30-JS | PBM30-FP/EP-D/T |
|------------------------|--|---|--|--|
| Product Picture |  |  |  |  |
| | Key Selector Switches | Break-Glass Switches | Joy Stick Switches | Illuminated Pushbuttons |
| Mounting Hole Diameter | 30mm | 30mm | 30mm | 30mm |
| Characteristics | <ul style="list-style-type: none"> - Maintained or momentary - 2, 3, 4 positions | <ul style="list-style-type: none"> - Come with replacement glass discs | <ul style="list-style-type: none"> - Plastic or zinc die cast body - 3 or 5 positions - Maintained or momentary | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available colors: red, blue, green, amber, white, yellow, clear |
| Lamp Voltage | | | | 6, 12, 24, 48, 120, 240, 380, 600V |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/Q600 | A600/Q600 |
| IP/NEMA Ratings | IP65 | IP65 | IP65 | IP65 |
| Certificates |  |  |  |  |



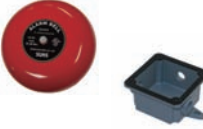

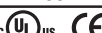

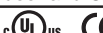

| Product Family | PBM-GP-D | PBM30-MIP | PBM30-PTL | PBM30-VR |
|------------------------|---|---|--|--|
| Product Picture |  |  |  |  |
| | Illuminated Pushbuttons | Maintained/Interlock | Push-to-test Pilot Lights | Potentiometers |
| Mounting Hole Diameter | 30mm | 30mm | 30mm | 30mm |
| Characteristics | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available button colors: red, blue, green, amber, white, yellow, clear | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available button colors: red, blue, green, amber, black, white, yellow | <ul style="list-style-type: none"> - Plastic or zinc die cast body - Available colors: red, blue, green, amber, white, yellow, clear | <ul style="list-style-type: none"> - Available in: 1K, 2.5K, 5K, 10K, 25K |
| Lamp Voltage | 6, 12, 24, 48, 120, 240, 380, 600V | 6, 12, 24, 48, 120, 240, 380, 600V | 6, 12, 24, 48, 120, 240, 380, 600V | |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/Q600 | A600/Q600 |
| IP/NEMA Ratings | IP65 | IP65 | IP65 | IP65 |
| Certificates |  |  |  |  |



Control Stations/Pendant Stations and Enclosures

| Product Family | CSP-22 | CSZ-22 | CSD | CSB |
|-----------------|---|---|---|--|
| Product Picture |  |  |  |  |
| | 22mm Control Stations | 22mm Control Stations | Control Stations | Pendant Stations |
| Dimensions (mm) | 22mm mounting holes | 22mm mounting holes | 52 x 55 x 97 (131) | 57 x 76 x 117 |
| Characteristics | <ul style="list-style-type: none"> - Robust fiber reinforced plastic - Available 1 to 5 holes | <ul style="list-style-type: none"> - Zinc or aluminum die cast - Available 1 to 6 holes | <ul style="list-style-type: none"> - Steel base and plastic cover - 1 or 3 buttons - Interlock, maintained options are available | <ul style="list-style-type: none"> - Robust fiber reinforced plastic - Available in red, yellow or black - Interlock and maintained options are available |
| Contact Ratings | A600/Q600 | A600/Q600 | A600/P600 | A600/P600 |
| IP/NEMA Ratings | IP65 / NEMA 4 / 4X | IP65 / NEMA 4 | IP20 / NEMA 1 | IP65 / NEMA 4 / 4X |
| Certificates |  |  |  |  |









| Product Family | CSN | CSH | CSE | CSG-22 |
|------------------------|--|--|--|--|
| Product Picture |  |  |  |  |
| | Control Stations | Pendant Control Stations | Pendant Control Stations | Pendant Control Stations |
| Mounting Hole Diameter | 70 x 83 x 110 | 53 x 74 x 292 | 44 x 70 x 276 | Various |
| Characteristics | <ul style="list-style-type: none"> - Zinc die cast body - Interlock and maintained options are available | <ul style="list-style-type: none"> - Robust fiber reinforced plastic - 1-speed or 2-speed - Interlock options - Optional E-stop button | <ul style="list-style-type: none"> - Robust fiber reinforced plastic - 1-speed or 2-speed - Interlock options | <ul style="list-style-type: none"> - Robust fiber reinforced plastic - Up to 12 switch functions - 1-speed or 2-speed |
| Contact Ratings | A600/P600 | A600/Q600 | A600/P600 | A600/Q600 |
| IP/NEMA Ratings | IP65 / NEMA 4 | IP65 / NEMA 4 / 4X | IP65 / NEMA 4 / 4X | IP65 / NEMA 4 / 4X |
| Certificates |  |  |  |  |









| Product Family | 800 700 | TL50 TL70 TL90 | CB | TU TG TH TC |
|-----------------|---|--|--|--|
| Product Picture |  |  |  |  |
| | Visual Signal/Rotating Beacons | Signaling Towers | Alarm Bells | Terminal Blocks |
| Dimensions (mm) | Various | 50mm, 70mm, 90mm | 4, 6, 8, 10 inches | Various |
| Characteristics | <ul style="list-style-type: none"> - Available in following color: red, blue, green, amber, clear - LED, Inandescent or strobe - Flashing or steady - Surface mount or pipe mount | <ul style="list-style-type: none"> - Available in following color: red, blue, green, amber, clear - LED, Inandescent or strobe - Flashing or steady - Sound module | <ul style="list-style-type: none"> - Available in red and gray - Voltages: 6, 12, 24, 120, 240, 380V - Optional weather-proof backbox | <ul style="list-style-type: none"> - Available 1 to 22 position - Current capacity: 15 to 150A |
| IP/NEMA Ratings | IP65 | IP65 | Indoor and Outdoor | |
| Certificates |  |  |  |  |



Industrial Foot Switches

| Product Family | FS-1 | FS-81 | FS-9 | FSC-31 |
|-----------------|---|---|--|---|
| Product Picture |  |  |  |  |
| | Light Duty | Light to Medium Duty | Medium Duty | Medium to Heavy Duty |
| Dimensions (mm) | 70 x 103.25 x 21.5 | 75 x 100 x 33 180 x 132 x 31 (twin) | 70 x 80 x 36 | 89 x 142.5 x 54 |
| Characteristics | <ul style="list-style-type: none"> - With nonskid base pad and foot treadle pad - Available in front and rear hinged model - Maintain style available - Stainless steel available | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics or zinc die cast body - Custom color available - SPDT, DPDT or 2-stage - Push-on/push-off available | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics or zinc die cast body - Custom color available - SPDT | <ul style="list-style-type: none"> - Zinc die cast body - Available in 1 or 2 pedals - SPDT, DPDT or 2-stage - Push-on/push-off available |
| Contact ratings | 10A, 15A 250VAC | 10A, 15A 250VAC | 10A, 15A, 20A, 25A 250V | 10A, 15A, 20A, 25A 250V |
| IP/NEMA Ratings | IP20 or IP68 | IP20 or IP68 | IP20 or IP68 | IP65 or IP68 |
| Certificates |  |  |  |  |

| Product Family | FS-5 | FS-61 | FS-62 | FS-41 / FSM-41 |
|-----------------|---|--|--|---|
| Product Picture |  |  |  |  |
| | Heavy Duty | Heavy Duty | Heavy Duty | Heavy Duty |
| Dimensions (mm) | 100 x 200 x 85 157 x 228 x 140 (guarded) | 70.5 x 220 x 62 164 x 240 x 157 (guarded) | 192 x 220 x 62 275 x 254 x 151 (guarded) | 110 x 170 x 50 160 x 180 x 137 (guarded) |
| Characteristics | <ul style="list-style-type: none"> - Iron cast based with aluminum alloy die cast guard - SPDT, DPDT or 2-stage - Options: maintained, anti-trip | <ul style="list-style-type: none"> - Die cast aluminum body - SPDT, DPDT or 2-stage - Options: maintained, anti-trip, pressure point, variable speed, potentiometer | <ul style="list-style-type: none"> - Die cast aluminum body - SPDT, DPDT or 2-stage - Options: maintained, anti-trip, pressure point, potentiometer | <ul style="list-style-type: none"> - Die cast aluminum or fiber-reinforced plastics - SPDT, DPDT - Options: anti-trip, steel guard |
| Contact Ratings | 15A, 20A, 25A, 250VAC | 15A, 20A, 25A or A600/Q300 | 15A, 20A, 25A or A600/Q300 | 10A, 15A, 20A, 25A, 250VAC |
| IP/NEMA Ratings | IP65 / NEMA 4 | IP65 / NEMA 4 | IP65 / NEMA 4 | IP68 / NEMA 6, 6P |
| Certificates |  |  |  |  |










| Product Family | AS-15 | FAS-1 | FAS-9 | MF-81R |
|-----------------|---|--|--|--|
| Product Picture |  |  |  |  |
| | Air Switches | Air Switches | Air Switches | Rocker Style |
| Dimensions (mm) | 25 x 29 x 20 | 117 x 72 x 32 | 70 x 80 x 36 | Various |
| Characteristics | <ul style="list-style-type: none"> - SPDT, DPDT | <ul style="list-style-type: none"> - Robust aluminum alloy die cast body - SPDT, DPDT or 2-stage - Custom Color - Potentiometer option | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics or zinc die cast body - Custom color available | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics - SPDT x 2 |
| Contact Ratings | 15A, 20A, 120/250VAC | 15A, 20A, 120/250VAC | 15A, 20A, 120/250VAC | |
| IP/NEMA Ratings | IP20 | IP68 | IP68 | IP20/IP68 |
| Certificates |  |  |  |  |











Medical Foot Switches (IEC60601-1, IPX8)











| Product Family | FS-81 | FS-81-W | FS82-W/FS83-W | MED-170 |
|--|--|--|--|---|
| Product Picture  USB options available on all models |  |  |  |  |
| Dimensions (mm) | Various | 170 x 188 x 47 | 348 x 210 x 60 423 x 208 x 49 | Dia. 170 x36 |
| Characteristics | <ul style="list-style-type: none"> - Painted steel base with zinc or plastic pedals - Custom color available - SPDT, DPDT or 2-stage - Available in 1-6 pedals | <ul style="list-style-type: none"> - Aluminum die cast base with zinc or plastic pedals - Custom color available - 1-3 optional buttons can be added - SPDT, DPDT or 2-stage - Wireless available | <ul style="list-style-type: none"> - Aluminum die cast body with zinc or plastic pedals - Custom color available - 1-3 optional buttons can be added - SPDT, DPDT or 2-stage - Wireless available | <ul style="list-style-type: none"> - Aluminum die cast body - 360 actuation - >1 million operations - 1NO/1NC or 2NO/2NC |
| Contact ratings | 10A,15A 250VAC A300 | 10A,15A 250VAC A300 | 10A,15A 250VAC A300 | 10A, 250VAC |
| IP/NEMA Ratings | IPX8 | IPX8 | IPX8 | IPX8 |
| Certificates |  |  |  |  |

| Product Family | FS-61/FS-62 | FS-81-CS | FS-82 | FSBM-1/2/3 |
|--|---|---|---|--|
| Product Picture  USB options available on all models |  |  |  |  |
| Dimensions (mm) | 70.5 x 220 x 62 192 x 220 x 62 | 142.5 x 136 x 44.5 | 214 x 108 x 38 | Various |
| Characteristics | <ul style="list-style-type: none"> - Aluminum die cast body - SPDT, DPDT or 2-stage - Optional button - Custom Color - Potentiometer option - Linear Hall effect option | <ul style="list-style-type: none"> - Fiber reinforced plastics cover, zinc cast base - Push-open/push close - Portable | <ul style="list-style-type: none"> - Fiber reinforced plastics - SPDT, DPDT or 2-stage - Snap action or slow action (silent) | <ul style="list-style-type: none"> - Zinc die cast base or fiber reinforced plastics - Compact size - SPDT/DPDT - 1 to 3 buttons |
| Contact Ratings | 5A, 10A, 250VAC A600/Q300 | 5A, 10A, 250VAC A600/Q300 | 10A, 300V, A300 | 5A or 10A, 250V |
| IP/NEMA Ratings | IP65 or IP68 | IP65 or IP68 | IPX8 | IPX8 |
| Certificates |  |  |  |  |

| Product Family | FSB-6 | FS-71/FS-72 | FS-73/FS-74 | Accessories |
|--|--|---|---|--|
| Product Picture  USB options available on all models |  |  |  |  |
| | Medical Footswitches | Medical Footswitches | Medical Footswitches | Wireless Receivers |
| Dimensions (mm) | 296 x 187 x 46 | 164 x 174 x 72 (FS71) 222 x 147 x 60 (FS72) | Various Sizes | |
| Characteristics | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics - Custom color available - Wireless available | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics - Two types of actions: single action or rocker (rock left and right) - SPDT, DPDT - Wireless available | <ul style="list-style-type: none"> - Robust glass fiber reinforced plastics - Two types of actions: single action or rocker (rock left and right) - SPDT, DPDT - Wireless available | <ul style="list-style-type: none"> - Wireless USB receiver - Wireless receiver with and without relay output For use with wireless foot switches |
| Contact Ratings | 10A, 300V, 5A/25V~, 1A/60VDC | 10A, 600V, 5A/25V~, 1A/60VDC | 10A, 300V, 5A/25V~, 1A/60VDC | |
| IP/NEMA Ratings | IPX8 | IPX8 | IPX8 | |
| Certificates |  |  |  | |



Proximity Sensors / Magnetic Switches

| Product Family | SLS | SLC/SCC | MP | MP-20 |
|-----------------|--|---|---|---|
| Product Picture |  |  |  |  |
| | Proximity Sensors | Proximity Sensors | Magnetic Switches | Bistable Magnetic Switches |
| Dimensions (mm) | 17x17, 25x25, 30x30, 40x40 | M8, M12, M18, M30 | Various | 104 x 52 x 47 |
| Characteristics | <ul style="list-style-type: none"> - Shielded and non-shielded - Reverse polarity protection - Short circuit protection - Red LED indicators - 10-36VDC and 20-250VAC, 10-30VDC | <ul style="list-style-type: none"> - Available in: inductive, capacitive and hall-effect - Shielded and non-shielded - Reverse polarity protection - Short circuit protection - 10-36VDC and 20-250VAC, 10-30VDC | <ul style="list-style-type: none"> - Coded magnet - 10 million operations - Switching distance: 6-15mm, 9-18mm | <ul style="list-style-type: none"> - Aluminium enclosure - Actuating distance up to 50mm - Screw connection - Highly resistant to vibration - Available for actuation from front or side |
| Contact Ratings | 100mA, 200mA, 350mA | 100mA, 150mA, 5-350mA, 200mA | 400mA, 100VAC/DC, 24v,10mA | 1A/120V 0.5A/250V |
| IP/NEMA Ratings | IP67 | IP67 | IP67 | IP67 |
| Certificates |  |  |  |  |



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