UL 98 Fusible Disconnect Switches

DISCONNECT SWITCHES

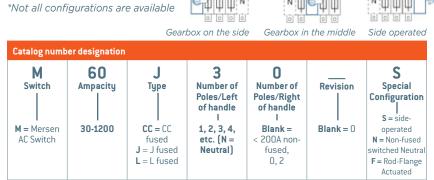


Mersen's fusible disconnect switches are listed to UL 98 and bear the CE mark conforming to IEC 60947-3. They are "service entrance" devices capable of fully rated load-break and load-make. While longterm safety, reliability, and functionality are always paramount in the design of our products, these switches are also engineered to have the smallest footprint. The modular design allows placement of the handle anywhere amongst the poles. The fuse doors cannot open when the switch is in the "ON" position, and all switches are double-break, which isolates both fuse clips from voltage during fuse replacement. The switches' "Test" position allows actuation of the auxiliary contacts without main power. Power taps enable energizing a CPT or surge device without the need for a separate terminal block. A wide range of ergonomic handles and accessories is available.

CONFIGURATIONS:







RATINGS UL:

- Volts: 600VAC
- **Amps:** 30, 60, 100, 200, 400, 600, 800, and 1200A
- **Short-Circuit Current Rating** (SCCR): Up to 200kA with Class CC, J, or L Fuses

FEATURES/ **BENEFITS**:

- **Multiple Configurations**
- Power taps
- Adjustable shaft depth
- Fuse monitoring
- Double break, isolating live and load side of fuse
- Interlocked fuse doors

APPROVALS:

- All UL Fusible Disconnect Switches meet UL & CSA requirements
- UL listed guide WHTY, File E191605 for UL 98 (ratings from 30A to 1200A)
- IEC 60947-3





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UL LISTED FRONT AND SIDE OPERATED

| M30CC12 30A, CC fused, 3-pole with pole on of handle and 2 poles on right | | MGDJ0 F04, J fused, with 3 poles on left side of handle | 0 0 0 0 | M200J30 w used, 3 poles or | vith HDF200 | rect handle | | | |
|---|---|---|---|---|--|---|--|--|--|
| Switch Body | Ampere Rati | | 30 | 60 | 100 | 200 | | | |
| Switch Body | | 'B | M30 | M60 | | | | | |
| | Base Part # | | CC, J | J | M100 J | M200 | | | |
| | | configurations | 12, 22, 30F, 30S | 12, 22, 22N, 30, 30F, 30S, 40, 40N | 12, 22, 22N, 30, 30F, 30S, 40, 40N | 30,40 | | | |
| | S = Side oper | ated F = Rod-Flange actuated (Direct Side Operated Har | ndles are includ | led with 'S' opti | on) | | | | |
| Handles and Shafts | Direct Front | Operation | | | | | | | |
| | | | HDF30 | HDF200 | HDF200 | HDF200 | | | |
| | External Fro | nt Operation - Pistol style | | | | | | | |
| | NEMA Type 1 | , 3R, 12, IP65 | HB45 | | HB65, HB80 | | | | |
| HB65 | NEMA Type 4 | | HB45X | | HB65X, HB80X | | | | |
| | NEMA 4X Sta | · | НМ65Х | | | | | | |
| | B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR45 | | | | | | | | |
| HR45 HDF200 | Shafts | | | | | | | | |
| The lo | | | | | | | | | |
| | | | | | | | | | |
| Accessories | | | SPA13 | U, SPA21U, SPA | 290, SPA360, S | SPA43U | | | |
| Accessories | Terminal Lug | S | | | 290, SPA360, S | LUG200 | | | |
| Accessories | | S | Integral | U, SPA21U, SPA | | 1 | | | |
| Accessories | Terminal Lug | s e | | | LUG100 | LUG200 | | | |
| Accessories | Terminal Lug 6 per packag Terminal Shr | s e | | | LUG100 | LUG200 | | | |
| Accessories | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin | s e ouds | Integral | Integral | LUG100 (#14 - 2/0) | LUG200 (#6 -300MCM) | | | |
| OA3G01 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin | s e ouds gle shrouds per package) | Integral Integral | Integral | LUG100 [#14 - 2/0] TSF160-13 TSF160-14 | LUG200 [#6-300MCM] TSF200-13 TSF200-14 | | | |
| ~ * | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with | s e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh | Integral Integral | Integral | LUG100 [#14 - 2/0] TSF160-13 TSF160-14 | LUG200 [#6-300MCM] TSF200-13 TSF200-14 | | | |
| OA3G01 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor | s e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh | Integral Integral | Integral Integral or "-14" are sing | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 Ie pole shrouds | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per | | | |
| OA3G01 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with | s e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh | Integral Integral | Integral Integral or "-14" are sing 0A1G10 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 Ie pole shrouds 0A1G10 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 | | | |
| OA3G01 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC | s e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ntacts* | Integral Integral Integral Integral Integral Integral Integral | Integral Integral or "-14" are sing | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 Ie pole shrouds | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between | s e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ntacts* | Integral Int | Integral Integral or "-14" are sing 0A1G10 0A3G01 N/A | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1610 0A3601 N/A | | | |
| OA3G01 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Mounting pla | s e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ntacts* | Integral Integral Integral Integral Integral Integral Integral | Integral Integral or "-14" are sing OA1G10 OA3G01 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Mounting pla Module for 8 | s e e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ntacts* poles te 0A1610/0A3601 aux. contacts | Integral Integral Integral 0.110000000000000000000000000000000000 | Integral Integral or "14" are sing OA1G10 OA3G01 N/A Not needed | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Con NO NC NO, between Mounting pla Module for 8 *Rated 2A mat | s e b ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ttacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC | Integral Integral Integral 0.110000000000000000000000000000000000 | Integral Integral or "14" are sing OA1G10 OA3G01 N/A Not needed | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Con NO NC NO, between Module for 8 *Rated 2A ma Flange Operation | s e buds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ttacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC ttion for Cable Actuation | Integral Integral OA1610, w05Z4 0A3601, w05Z4 0A4B1C 0SZ4 0EA28 | Integral Integral or "-14" are sing OA1G10 OA3G01 N/A Not needed OEA28 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Con N0 NC N0, between Module for 8 *Rated 2A mar Flange Operator Cable Flange | s e e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh htacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC stion for Cable Actuation Handle, NEMA 12 | Integral Int | Integral Integral or "-14" are sing OA1G10 OA3G01 N/A Not needed OEA28 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Con N0 NC N0, between Module for 8 *Rated 2A mar Flange Operator Cable Flange | s e e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh htacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC stion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X | Integral Integral OA1610, w05Z4 0A3601, w05Z4 0A4B1C 0SZ4 0EA28 | Integral Integral or "-14" are sing OA1G10 OA3G01 N/A Not needed OEA28 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Con NO NC NO, between Mounting pla Module for 8 *Rated 2A ma Flange Opera Cable Flange | s e e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ttacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC ttion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly | Integral Integral Integral Integral 0400000000000000000000000000000000000 | Integral Integral or "-14" are sing OA1610 OA3601 N/A Not needed OEA28 FHC12 FHC12 FHC4X FOM3 for M60J12, FOM4 for | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Module for 8 *Rated 2A ma Flange Opera Cable Flange Bracket Assee Cable for FHC | s e e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ttacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC ttion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly | Integral Int | Integral Integral or "-14" are sing OA1610 OA3601 N/A Not needed OEA28 FHC12 FHC12 FHC4X FOM3 for M60J12, FOM4 for M60J30 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X FOM4 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC4X F0M4 | | | |
| OA3G01 OA1G10 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Module for 8 *Rated 2A mage Flange Opera Cable Flange Bracket Asset Cable for FHQ *Other cable | s e e ouds gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ttacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC stion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly :handles lengths available: 48", 60", 72", 84", 96", 108". For example | Integral Int | Integral Integral or "-14" are sing OA1610 OA3601 N/A Not needed OEA28 FHC12 FHC12 FHC4X FOM3 for M60J12, FOM4 for M60J30 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X FOM4 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1610 0A3601 N/A Not needed 0EA28 FHC12 FHC4X FOM4 | | | |
| OA3GOI OA1GIO OEA28 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Module for 8 *Rated 2A mage Flange Opera Cable Flange Bracket Asset Cable for FHQ *Other cable | s e e ouds gle shrouds per package] gle shrouds per package] gle shrouds per package] '-3" suffix are single shrouds that cover all three terminals. Sh tacts* poles te 0A1G10/0A3G01 aux. contacts ax continous @690VAC attion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly chandles lengths available: 48", 60", 72", 84", 96", 108". For examp stion for Rod Actuation* | Integral Int | Integral Integral or "-14" are sing OA1610 OA3601 N/A Not needed OEA28 FHC12 FHC12 FHC4X FOM3 for M60J12, FOM4 for M60J30 | LUG100 (#14 - 2/0) TSF160-13 TSF160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X FOM4 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC4X F0M4 | | | |
| OA3GOI OA1GIO OEA28 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Module for 8 *Rated 2A mage Flange Operation Cable Flange Bracket Asset Cable for FHC *Other cable Flange Operation Flange Operation *The cable for FHC *The cable for FHC *The cable for FHC | s e e ouds gle shrouds per package) gle shrouds per package) r-3" suffix are single shrouds that cover all three terminals. Sh ntacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC attion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly handles lengths available: 48", 60", 72", 84", 96", 108". For examp stion for Rod Actuation* et assembly | Integral Int | Integral Integral or "-14" are sing OA1G10 OA3G01 N/A Not needed OEA28 FHC12 FHC4X FOM3 for M60J12, FOM4 for M60J30 CABLE36* | LUG100 (#14 - 2/0) TSF 160-13 TSF 160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC2X FOM4 CABLE36* Incl with M100J30F | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X FOM4 CABLE36* | | | |
| OA3GOI OA1GIO OEA28 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Module for 8 *Rated 2A mage Flange Operation Cable Flange Bracket Asset Cable for FHC *Other cable Flange Operation Flange Dperation *Rod Flange brack Rod Flange have | s e e ouds gle shrouds per package) gle shrouds per package) gle shrouds per package) '-3" suffix are single shrouds that cover all three terminals. Sh ntacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC ation for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly '-handles lengths available: 48", 60", 72", 84", 96", 108". For examp stion for Rod Actuation* et assembly andle NEMA 12 | Integral Integral Integral Integral OA1610, w0524 OA3601, w0524 OA4B1C OEA28 FHC12 FHC4X FOM2 CABLE36* Uc, CABLE108. FHR12 | Integral Integral or "-14" are sing OA1G10 OA3G01 N/A Not needed OEA28 FHC12 FHC4X FOM3 for M60J12, FOM4 for M60J30 CABLE36* Incl with M60J30F FHR12 | LUG100 (#14 - 2/0) TSF 160-13 TSF 160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC12 FHC4X FOM4 CABLE36* Incl with M100J30F FHR12 | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X FOM4 CABLE36* NA | | | |
| OA3GOI OA1GIO OEA28 | Terminal Lug 6 per packag Terminal Shr 3-pole (3 sin 4-pole (4 sin Shrouds with Auxiliary Cor NO NC NO, between Module for 8 *Rated 2A mage Flange Operation Cable Flange Bracket Asset Cable for FHC *Other cable Flange Operation Flange Operation *Rod Flange have Rod Flange have Rod Flange have | s e e ouds gle shrouds per package) gle shrouds per package) r-3" suffix are single shrouds that cover all three terminals. Sh ntacts* poles te 0A1610/0A3601 aux. contacts ax continous @690VAC attion for Cable Actuation Handle, NEMA 12 Handle, NEMA 4X mbly handles lengths available: 48", 60", 72", 84", 96", 108". For examp stion for Rod Actuation* et assembly | Integral Int | Integral Integral or "-14" are sing OA1G10 OA3G01 N/A Not needed OEA28 FHC12 FHC4X FOM3 for M60J12, FOM4 for M60J30 CABLE36* | LUG100 (#14 - 2/0) TSF 160-13 TSF 160-14 le pole shrouds 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC2X FOM4 CABLE36* Incl with M100J30F | LUG200 (#6-300MCM) TSF200-13 TSF200-14 with 3 or 4 per 0A1G10 0A3G01 N/A Not needed 0EA28 FHC12 FHC12 FHC4X FOM4 CABLE36* | | | |

UL LISTED FRONT AND SIDE OPERATED

| | 0 | 0 | 0 | |
|---|---|-----|---|--------|
| | | | | |
| 0 | 0 | 0 | - | Mersen |
| | | | | |
| | | | | |
| 0 | 0 | 0 - | | 12 |
| | | | | |



| M400J30 400A, J fused, 3-pole with 3 poles on left side of handle | | 800A, L fu | M800L30 800A, L fused, with 3 poles on left side of handle | | | | | | |
|--|--|---|---|--------------------------|-------------------------|-------------------------|-----------------------------|--|--|
| Switch Body | | Ampere Rating | | 400 | 600 | 800 | 1200 | | |
| | | Base Part # | | M400 | M600 | M800 | M1200 | | |
| | | Fuse Type | | J | J | L | L | | |
| | | 3- and 4-pole configurations | | 12, 30, 40 | 12, 30, 40 | 12, 30, 40 | 30,40 | | |
| Handles and Shafts | | Direct Front Operation | | | | | | | |
| | | | | HDF400 | HDF800T | HDF800T | HD1250T | | |
| | | External Front Operation | | | | | | | |
| | Langer and Langer | NEMA Type 1, 3R, 12 | | HB125, HB | 145, HB274 | | | | |
| HB125 | \bigcirc | NEMA Type 4, 4X | HB125X, HB145X, HB274X | | | | | | |
| | | NEMA 4X Stainless Steel | HM125X, HM175X | | | | | | |
| SFB135 HDF400 | B=Black. Substitute 'R' for 'B' if a red handle is desired. Ex. HR125 | | | | | | | | |
| | Shafts | | | | | | | | |
| | | Shaft— SFBxxx (xxx = length in mm) SFB185, SFB280, SFB325, SFB395, SFB535 | | | | | | | |
| Accessories | | Terminal Lugs | | | | | | | |
| | 0A1G01 0A1G10 | 6 per package | | LUG400 #2 - 600MCM | LUG800 2 x #2 600MCM | LUG800 2 x #2 600MCM | LUG1200 4 x #2 600MCM | | |
| | | Terminal Shrouds | | ' | | | | | |
| C |)EA28 | 3-pole | | TSF400-3 | TSF600-3 | TSF600-3 | TSF1200-3 | | |
| ° | Suffix "-3" indicates a single piece 3-pole shroud; Suffix "-13" indicates three individual single pole shrouds per package. | | | | | | | | |
| | When a switch is to be installed with lugs and terminal shrouds, a TSFXXX-3 (single piece, 3-pole) model of shroud is recommended. | | | | | | | | |
| | | Auxiliary Contacts* | | | | | | | |
| | | Normally Open | | 0A1G10 | 0A1G10 | 0A1G10 | 0A1G10 | | |
| J. J. | I. | Normally Closed | | 0A3G01 | 0A3G01 | 0A3G01 | 0A3G01 | | |
| TSF400-13 | 3 | Module for 8 aux. contacts | | 0EA28 | 0EA28 | 0EA28 | 0EA28 | | |
| 101 400 10 | | | | | | | | | |

*Rated 2A max continous @690VAC

| TECHNICAL DATA ACCORDING TO UL/cULus | | | | | | | |
|--|---|-----------------|-----------------|----------|----------|-------------------|-----------|
| General Purpose Amp Rating | pf= 0.70.8 | -5° to 40 °C | A | 30 | 60 | 100 | 200 |
| Maximum Operating Voltage | | | VAC | 600 | 600 | 600 | 600 |
| | | | VDC | 250 | 250 | 250 | 250 |
| Max. horsepower rating / motor FLA current | pf= 0.40.5 Three | 240 V | HP/A | 7.5/22.0 | 15/42.0 | 30/80.0 | 60/154.0 |
| | phase | 480 V | HP/A | 15/21.0 | 30/40.0 | 60/77.0 | 125/156.0 |
| | | 600 V | HP/A | 20/22.0 | 50/52.0 | 75/77.0 | 150/144.0 |
| | Single phase | 120 V | HP/A | 2/24.0 | | | |
| | | 240 V | HP/A | 3/17.0 | | | |
| Short circuit rating with fuse, 3- and 4- pole types | | | kA | 200 | 200 | 200 | 200 |
| | UL/CSA fuse size | | A | 30 | 60 | 100 | 200 |
| | UL/CSA fuse type | | | J/CC | J | J | J |
| Endurances | 51 | | | | | | |
| Min. electrical endurance, pf. 0.750.8 | | | oper. cycles | 6000 | 6000 | 6000 | 6000 |
| Mechanical endurance | | | operations | 20 000 | 20 000 | 20 000 | 16 000 |
| Terminal lug kits | | | | Integral | Integral | LUG100 | LUG200 |
| Wire range | | | AWG | #18-8 | #14-4 | #14-2/0 | #4-300MCM |
| Torque | | Wire tightening | lb. in | 17 | 30/355 | 120 | 275 |
| | | Lug mounting | lb. in | N/A | N/A | 50 | 72 |
| TECHNICAL DATA ACCORDING TO IEC 60947-3 | | 0 | | | | | |
| Rated insulation voltage | Pollution degree 3 | | V | 1 000 | 1 000 | 1 000 | 1 000 |
| Dielectric strength | 5 | 50 Hz 1min. | kV | 10 | 10 | 10 | 10 |
| Rated impulse withstand voltage | | | kV | 12 | | | 12 |
| Rated thermal current in ambient 40 °C / | In open air | | A/W | 32/3.5 | 63/7.5 | 160/12 | 200/17 |
| max. fuse power dissipation ^{1]} | In enclosure ²⁾ | | A/W | 32/3.5 | 63/7.5 | 160/10, 135/12 | 200/15 |
| with minimum cable cross section | | Cu | mm² | 6 | 16 | 70 | 95 |
| Rated operational current, AC-23A | | up to 500 V | А | 32 | 63 | 160 | 200 |
| | | 690 V | A | 32 | 63 | 160 | 200 |
| Rated operational current, AC-23 ^{3]} | The kW-ratings are | 230 V | kW | 7.5 | 18.5 | 45 | 60 |
| | accurate for three-phase 1500 R.P.M. standard asynchronous motors. | 400 V | kW | 15 | 30 | 75 | 110 |
| | | 415 V | kW | 15 | 30 | 75 | 110 |
| | | 500 V | kW | 18.5 | 37 | 90 | 132 |
| | | 690 V | kW | 22 | 55 | 132 | 200 |
| Rated breaking capacity in category AC-23 | | up to 500 V | Α | 256 | 504 | 1280 | 1600 |
| | | 690 V | A | 256 | 504 | 1280 | 1600 |
| Rated short-time withstand current, 1 s | r.m.svalue | 690 V, 1 s | kA | 1 | 2.5 | 5 | 8 |
| Power loss / pole | With rated current, with | out fuse | W | 2 | 4 | 9 | 8 |
| Weight without accessories | 3-pole switch fuses | | kg | 0.7 | 1.3 | 1.5 | 2.6 |
| - | 4-pole switch fuses | | kg | 0.9 | 1.6 | 1.8 | |
| Built-in terminal size | | Cu | mm ² | 0.7510 | 2.525 | | |
| Terminal bolt size (included) | Metric thread diameter 3 | | mm | | | M6x20 | M8x25 |
| Fuse-links bolts tightening torque | | | Nm | | | 4 | 4 |

*) = Utilization category B

1) Ambient temperature 60°C: derating 20%

2) Mounting on "ceiling": derating 10%. Mounting on wall, horizontal fuses: derating 8%.

3) Some fuses limit these figures further. Starting current characteristics must be considered separately.

4) Approval pending

5) 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4

UL 98 FUSIBLE

Disconnect Switches

| General Purpose Amp Rating | pf= 0.70.8 | -5° to 40 °C | A | 400 | 600 | 800 | 1200 |
|--|---|-----------------|-----------------|---------------|------------------|------------------|-------------------|
| Maximum Operating Voltage | | | VAC | 600 | 600 | 600 | 600 |
| | | | VDC | 250 | 250 | 250 | 250 |
| Max. horsepower rating / motor FLA current | pf= 0.40.5 Three phase | 240 V | HP/A | 125.0/312.0 | 200/480.0 | 250/602.0 | 250/602. |
| | | 480 V | HP/A | 250.0/302.0 | 400/477.0 | 500/590.0 | 500/590. |
| | | 600 V | HP/A | 350.0/336.0 | 500/472.0 | 500/472.0 | 500/472. |
| | Single phase | 120 V | HP/A | | 000, 112.0 | 000, 112.0 | |
| | 0.1 | 240 V | HP/A | | | | |
| Short circuit rating with fuse, 3- and 4- pole types | | | kA | 200 | 200 | 200 | 200 |
| | UL/CSA fuse size | | A | 400 | 600 | 800 | 1200 |
| | UL/CSA fuse type | | | J | J | L | L |
| Endurances | 51 | | | | | | |
| Min. electrical endurance, pf. 0.750.8 | | | oper. cycles | 1 000 | 1 000 | 500 | 500 |
| Mechanical endurance | | | operations | 12 000 | 4 0 0 0 | 3 000 | 2 000 |
| Terminal lug kits | | | | LUG400 | LUG800 | LUG800 | LUG1200 |
| Wire range | | | AWG | #2- 600MCM | (2)#2- 600MCM | (2)#2- 600MCM | (4)#2- 600MCM |
| Torque | | Wire tightening | lb.in | 375 | 500 | 500 | 500 |
| | | Lug mounting | lb.in | 240 | 480 | 480 | 480 |
| FECHNICAL DATA ACCORDING TO IEC 60947-3 | | | | | | | |
| Rated insulation voltage | Pollution degree 3 | | V | 1 000 | 1000 | 1 000 | 1 000 |
| Dielectric strength | | 50 Hz 1min. | kV | 10 | 10 | 10 | 10 |
| Rated impulse withstand voltage | | | kV | 12 | 12 | 12 | 12 |
| Rated thermal current in ambient 40 °C / | In open air | | A/W | 400/45 | 630/60 | 800/65 | 1250/110 |
| max. fuse power dissipation ¹⁾ | In enclosure ² | | A/W | 400/30 | 570/50 | 720/55 | 1000/85 |
| with minimum cable cross section | | Cu | mm² | 240 | 2x185 | 2x240 | 2x400 |
| Rated operational current, AC-23A | | up to 500 V | А | 400 | 630 | 800 | 1000 *] |
| | | 690 V | А | 400 | 630 | 800 | 1000 *] |
| Rated operational current, AC-23 ^{3]} | The kW-ratings are | 230 V | kW | 132 | 200 | 250 | 315 ^{*]} |
| | accurate for three-phase 1500 R.P.M. standard asynchronous motors. | 400 V | kW | 220 | 355 | 450 | 560 ^{*]} |
| | | 415 V | kW | 230 | 355 | 450 | 560 ^{*]} |
| | | 500 V | kW | 280 | 450 | 560 | 710 *] |
| | | 690 V | kW | 400 | 630 | 710 | 1000 *] |
| Rated breaking capacity in category AC-23 | | up to 500 V | A | 3200 | 6400 | 6400 | 8000 |
| | | 690 V | А | 3200 | 6400 | 6400 | 8000 |
| Rated short-time withstand current, 1 s | r.m.svalue | | kA | 14 | 20 | 20 | |
| Power loss / pole | With rated current, without fuse | | W | 30 | 46 | 75 | 75 |
| Neight without accessories | 3-pole switch fuses | | kg | 5.7 | 11.5 | 11.5 | 29 |
| | 4-pole switch fuses | | kg | | | | |
| Built-in terminal size | | Cu | mm ² | | | | |
| ferminal bolt size (included) | Metric thread diameters | k length | mm | M10x30 | M12x40 | M12x40 | M12x50 |
| use-links bolts tightening torque | | | Nm | 20 | 40 | 40 | 40 |

*) = Utilization category B

1) Ambient temperature 60°C: derating 20%

2) Mounting on "ceiling": derating 10%. Mounting on wall, horizontal fuses: derating 8%.

3) Some fuses limit these figures further. Starting current characteristics must be considered separately.

4) Approval pending

5) 30 lb.in with cable size #14-10, 35 lb.in with cable size #8-4