

**INCH-POUND**  
MIL-PRF-6106K  
SUPPLEMENT 1A  
01 July 2000  
SUPERSEDING  
SUPPLEMENT 1  
01 December 1997

## PERFORMANCE SPECIFICATION

### RELAYS, ELECTROMAGNETIC GENERAL SPECIFICATION FOR

This supplement forms a part of Performance Specification  
MIL-PRF-6106K, dated 01 December 1997.

### SPECIFICATION SHEETS

- MIL-PRF-6106/9 - Relay, Electromagnetic, Continuous Duty, 60 AMP, 3 PDT, Environmentally Sealed.
- MIL-PRF-6106/10 - Relay, Electromagnetic, Normally Open, Continuous Duty, 60 AMP, 3 PST, Environmentally Sealed.
- MIL-PRF-6106/11 - Relay, Electromagnetic, Normally Closed, Continuous Duty, 60 AMP, 3 PST, Environmentally Sealed.
- MIL-PRF-6106/12 - Relay, Electromagnetic, (Type I), Magnetic Latch (Including Unsuppressed and Suppressed Coils), 2 Amperes, 1 PDT, Auxiliary Contacts, 25 Amperes, 3 PNO Main Contacts, Hermetically Sealed.
- MIL-PRF-6106/13 - Relay, Electromagnetic, 25 Amperes, 3 PST, NO, With 2 Ampere, 1 PDT Auxiliary Contacts, Hermetically Sealed, Permanent Magnet Drive, Type I.
- MIL-R-6106/14 - Relay, Electric, Permanent Drive, 50 AMP, SPDT (DB) Double Make Double Break Auxiliary Contacts (5 AMP), Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 10 MARCH 1989).
- MIL-PRF-6106/15 - Relay, Electromagnetic, 50 Amperes, DC, SPDT, Hermetically Sealed.
- MIL-PRF-6106/19 - Relay, Electromagnetic, Permanent Magnet Drive, 25 Amperes, SPDT, Hermetically Sealed.
- MIL-PRF-6106/20 - Relay, Electromagnetic, Magnetic Latch, 25 Amperes, SPDT, Hermetically Sealed.
- MIL-PRF-6106/26 - Relay, Electromagnetic, 50 Amperes, SPST, NC, With 5 Amperes SPDT Auxiliary, Hermetically Sealed.
- MIL-PRF-6106/33 - Relay, Electromagnetic, Type I, 400 Amperes, With 5 Amperes Auxiliary Contacts, Permanent Magnet Drive, Hermetically Sealed.
- MIL-PRF-6106/35 - Relay, Electromagnetic, Button, Plug Mounting Track.
- MIL-PRF-6106/38 - Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 5 Amperes, 2 PDT, All Welded, Hermetically Sealed.
- MIL-PRF-6106/39 - Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 5 Amperes, 4 PDT, All Welded, Hermetically Sealed.
- MIL-PRF-6106/40 - Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 10 Amperes, 3 PDT, All Welded, Hermetically Sealed.
- MIL-PRF-6106/41 - Relay, Electromagnetic, 25 Amperes, 3 PNO, With 2 Ampere, 1 PDT Auxiliary Contacts, Hermetically Sealed, Type I.
- MIL-PRF-6106/43 - Relay, Electromagnetic, 65 Amperes, 1 PNO Double Break, Hermetically Sealed, Type I.
- MIL-PRF-6106/48 - Relay, Electromagnetic, Type I, Hermetically Sealed, 100 Amperes, SPST (N.O.), With (Form 2) 5 Amperes Auxiliary Contacts.

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MS STANDARDS

MS24140	- Relay, 50 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24141	- Relay, 100 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24142	- Relay, 200 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24143	- Relay, 25 AMP, 3 PST, N.O. Type I, Hermetically Sealed.
MS24149	- Relay, Electromagnetic, 2 PDT, 10 Amperes, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUNE 1987)
MS24152	- Relay, 25 AMP, 3 PDT, N.O. Type II, Non-Hermetically Sealed (Mechanically Interlocked). (INACTIVE FOR NEW DESIGN AFTER 27 MARCH 1994)
MS24166	- Relay, 50 AMP, 1 PST, N.O. Type II, Non-Hermetically Sealed.
MS24168	- Relay, 100 AMP, 3 PST, N.O., Type I, Hermetically Sealed.
MS24171	- Relay, 200 AMP, 1 PST, N.O., Type II, Non-Hermetically Sealed.
MS24172	- Relay, 200 AMP, 1 PST, N.O. Type III, Non-Hermetically Sealed, Intermittent Duty.
MS24178	- Relay, 55 AMP, 2 PST, N.O. Type II, Non-Hermetically Sealed.
MS24179	- Relay, 400 AMP, 1 PST, N.O. Type III, Non-Hermetically Sealed.
MS24182	- Relay, 100 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24183	- Relay, 200 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24184	- Relay, 300 AMP, 1 PST, N.O., Type I, Hermetically Sealed.
MS24185	- Relay, 400 AMP, 1 PST, N.O. Type II, Non-Hermetically Sealed.
MS24187	- Relay, Electromagnetic, 50/25 Amperes, 1 PDT (NO/NC), Type II, Non-Hermetically Sealed.
MS24192	- Relay, 25 Amperes, 3 PST, N.O. Type II, Non-Hermetically Sealed.
MS24193	- Relay, Electromagnetic, 50 Amperes, 3 PST, N.O. Type II, Non-Hermetically Sealed.
MS24376	- Relay, 50 AMPS, 3PST, N.O. TYPE I, Hermetically Sealed.
MS24568	- Relay, Electromagnetic, 10 Amperes, 4 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUNE 1987)
MS25024	- Relay, 10 Amperes, 4 PDT, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 11 DEC 84)
MS25030	- Relay, 50 AMP, 2 PDT, N.O. Type II, Non-Hermetically Sealed, Mechanically Interlocked. (INACTIVE FOR NEW DESIGN AFTER 28 APR 95)
MS25031	- Relay, 100 AMP, 2 PDT, N.O. Type II, Non-Hermetically Sealed, Mechanically Interlocked. (INACTIVE FOR NEW DESIGN AFTER 29 SEP 90)
MS25032	- Relay, 200 AMP, 2 PDT, N.O. Type II, Non-Hermetically Sealed, Mechanically Interlocked. (INACTIVE FOR NEW DESIGN AFTER 28 SEP 90)
MS25033	- Relay, 200 AMP, 1 PST, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 18 JAN 87)
MS25035	- Relay, 25 AMP, 1 PST, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 14 NOV 79)
MS25267	- Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Solder Hook, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 29 FEB 00)
MS25268	- Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Potted Lead, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25269	- Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 15 OCT 99)
MS25270	- Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Potted Lead, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25271	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Solder Hook, Hermetically Sealed.
MS25272	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Potted Lead, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25273	- Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Solder Terminals, Stud Mounted, Hermetically Sealed.

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MS25321	- Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25323	- Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25325	- Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25327	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25329	- Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 30 SEPT 87)
MS25395	- Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Hermetically Sealed.
MS25455	- Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25457	- Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25459	- Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Magnetic Latch, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25461	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25463	- Relays, Electromagnetic, 5 Amperes, 6 PDT, TYPE I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 30 SEPT 87)
MS25465	- Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Magnetic Latch, Solder Terminals, Stud Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25466	- Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Magnetic Latch, Stud Mounted, Solder Hooks, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25467	- Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Magnetic Latch, Solder Terminal, Stud Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 15 OCT 99)
MS25468	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Magnetic Latch, Solder Terminal, Stud Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 29 FEB 00)
MS25469	- Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Magnetic Latch, Solder Terminals, Stud Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 29 FEB 00)
MS25917	- Relays, Electromagnetic, 3 Amperes, 4 PDT, Type I. (INACTIVE FOR NEW DESIGN AFTER 2 MAR 87)
MS25918	- Relay, 3 AMP, 6 PDT, Sealed, Class B8. (INACTIVE FOR NEW DESIGN AFTER 14 AUG 81)
MS25919	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I. (INACTIVE FOR NEW DESIGN AFTER 2 MAR 87)
MS27222	- Relay, 50 AMP, 3 PST, N.O. Type I, Hermetically Sealed.
MS27242	- Relay, 100 AMP, 1 PST, N.O., Type I, Hermetically Sealed.
MS27243	- Terminal Covers - Relay.
MS27245	- Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27247	- Relays, Electromagnetic, 10 Amperes, 2 PDT, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27254	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Plug-In, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27255	- Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Solder Hooks, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27418	- Relays, Electromagnetic, 25 Amperes, 3 PST - NO, Type I, Hermetically Sealed, Hook and Screw Terminals, Stud and Bracket Mounted.

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- MS27706(USAF) - Relays, Electromagnetic, 20 Amperes, 3 PST, Mechanical Interlock, (Center Off) Load Transfer, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 8 SEP 95)
- MS27709 - Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
- MS27714(USAF) - Relay, 75 AMP, 3 PST, N.O., Type I, Coil and Contacts Individually Sealed. (INACTIVE FOR NEW DESIGN AFTER 27 MAR 95)
- MS27715(USAF) - Relay, 150 AMP, 3 PST, N.O., Type I, Coil and Contacts Individually Sealed. (INACTIVE FOR NEW DESIGN AFTER 27 MAR 95)
- MS27742(USAF) - Relay, Magnetic Latch, 25 AMP, 3 PDT, All Welded, Hermetically Sealed.
- MS27749(85) - Relays, Electromagnetic, 60 Amperes, 3 PDT, Magnetic Latch, Hermetically Sealed.
- MS27750(85) - Relays, Electromagnetic, 50 Amperes, 3 PDT-NO., Center Off, Hermetically Sealed.
- MS27751(85) - Relays, Electromagnetic, 60 Amperes, 3 PST or 3 PDT, Hermetically Sealed, Permanent Magnet Drive.
- MS27997 - Relay, 25 AMP, 3 PST, N.O. Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 29 FEB 00)

AIR FORCE – NAVY AERONAUTICAL STANDARDS

- AN3303 - Relay, 3 AMP, 4 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- AN3304 - Relay, 3 AMP, 4 PDT, Sealed, Panel Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 19 MAY 59)
- AN3306 - Relay, 10 AMP, 2 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- AN3307 - Relay, 10 AMP, 2 PDT, Sealed, Panel Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 24 FEB 60)
- AN3308 - Relay, 10 AMP, 3 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- AN3310 - Relay, 10 AMP, 4 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- AN3312 - Relay, 10 AMP, 3 PDT, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 14 MAR 55)
- AN3314 - Relay, 10 AMP, 1 PDT, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- AN3316 - Relay, 10 AMP, 2 PDT, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- AN3320 - Relay, 25 AMP, 1 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 15 JUN 55)
- AN3324 - Relay, 25 AMP, 1 PDT, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 22 JUN 55)
- AN3335 - Relay, 5 AMP, 3 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 DEC 57)
- AN3337 - Relay, 25 AMP, 1 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 DEC 57)
- AN3362 - Relay, 100 AMP, 2 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 30 AUG 57)
- AN3372 - Relay, 200 AMP, 2 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 25 NOV 57)

Preparing Activity:  
 DLA - CC

(Project 5945-1112)