

**INCH-POUND**  
MIL-PRF-6106M  
SUPPLEMENT 1  
14 September 2009

## PERFORMANCE SPECIFICATION

### RELAYS, ELECTROMAGNETIC GENERAL SPECIFICATION FOR

This supplement forms a part of Performance Specification  
MIL-PRF-6106M, dated 14 September 2009.

### 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, 25 Amperes, 3 PNO Main Contacts, with 2 Ampere 1 PDT Auxiliary Contacts (INACTIVE FOR NEW DESIGN AFTER 15 NOVEMBER 2002).
- 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. INACTIVE FOR NEW DESIGN AFTER 15 NOVEMBER 2002).
- MIL-PRF-6106/26 - Relays, Electromagnetic, Magnetic Latch, 25 Amperes, SPDT. 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, Type I, Magnetic Latch, Permanent Magnet Drive, Low Level to 5 Amperes, 2 PDT, Hermetically Sealed.
- MIL-PRF-6106/39 - Relay, Electromagnetic Type I, Magnetic Latch, Permanent Magnet Drive, Low Level to 5 Amperes, 4 PDT, Hermetically Sealed.
- MIL-PRF-6106/40 - Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 10 Amperes, 3 PDT, 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, 100 Amperes, SPST (N.O.), with SPDT (Form Z) 5 Amperes Auxiliary Contacts, Hermetically Sealed, Type I.

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## MS STANDARDS

MS24140	- Relay, Electromagnetic, 50 Amperes, 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)
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.
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)

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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, Type I, 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.
MS27706	- 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	- Relay, 75 AMP, 3 PST, N.O., Type I, Coil and Contacts Individually Sealed. (INACTIVE FOR NEW DESIGN AFTER 27 MAR 95)

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- MS27715 - Relay, 150 AMP, 3 PST, N.O., Type I, Coil and Contacts Individually Sealed. (INACTIVE FOR NEW DESIGN AFTER 27 MAR 95)
- MS27742 - Relay, Magnetic Latch, 25 AMP, 3 PDT, All Welded, Hermetically Sealed.
- MS27749 - Relays, Electromagnetic, 60 Amperes, 3 PDT, Magnetic Latch, Hermetically Sealed.
- MS27750 - Relays, Electromagnetic, 50 Amperes, 3 PDT-NO., Center Off, Hermetically Sealed.
- MS27751 - 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)
- AN3306 - Relay, 10 AMP, 2 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
- 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)
- AN3314 - Relay, 10 AMP, 1 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)
- 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)

## Custodians:

Army – CR  
Navy - AS  
Air Force – 85  
DLA – CC  
NASA - NA

Preparing activity:  
DLA - CC

(Project 5945-2009-008)

## Review activities:

Navy - EC  
Air Force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil/>.