



## Certification Record

CUSTOMER	CLASS	FILE
Carlo Gavazzi Controls S.p.A. Via Safforze 8, Belluno 32100 Italy	<a href="#">3211-07</a> INDUSTRIAL CONTROL EQUIPMENT-Miscellaneous Apparatus	111137_0_000
<b>Refer to Class Description for program details</b>		

- Modular panel meter, Model EDM35, supply 230V ac max, output contact 250V ac, 8A, DPDT.
- Digital panel meters, Series LDI3, followed by suffixes, front mounted, 230V ac, 50/60Hz, 3.2VA max; Series LDI35, followed by suffixes, front mounted, 230V ac max, 50/60Hz, 9-32V dc, 6.5VA max.
- Industrial control relays, Models DUA01, PUA01, supply 24V dc or 24/48/115/230V ac or 24 to 48V ac/dc, max 4VA, output contact max rating 8A 250V ac, 1/2 hp at 240V ac.
- Industrial control relays, Models DIA01, PIA01, supply 24V dc or 24/48/115/230V ac or 24 to 48V ac/dc, max 4VA, output contact max rating 8A 250V ac, 1/2 hp at 240V ac.
- Industrial control relays, Model DPA01, PPA01, supply max 600V ac 15VA, output contact max rating 8A 250V ac, 1/2 hp at 240V ac.
- Industrial control relays, Model DPA 51, supply max 480 Volts, 10VA, output contact max rating 240Vac, 8A, 1/2 hp at 240V ac.
- Industrial control relays, Models DPA02, PPA02, supply max 600V ac, 15VA, output contact max rating 8A, 250V ac 1/2 HP at 240 Vac.
- Current relay, model DIA53, in current sense only, 200Amax, max output 40Vdc, 100mA.
- DC under-voltage relay, model DUA52, input max 58Vdc, output contact max rating 8A, 250Vac max, 1/2 hp at 240V ac.
- Phase relay, model DPA53, input max 550V output contact max rating 8Amp, 250Vac, 1/2 hp at 240V ac.
- Los phi relays, models DWA01 and PWA01 input 480Volts max, output contact max rating 250Vac, 8Amp, 1/2 hp at 240V ac.
- True RMS load guard relays, models DWB01, PWB01, DWB02, PWB02, DWB03, PWB03, input max 600Volts, output contact max rating 250Vac, 8Amp, 1/2 hp at 240V ac.
- Motor temperature monitoring relay, Models DTA01, PTA01, DTA02, PTA02, max supply 230 Volts AC and 24 Volts DC or 24 to 48V ac/dc, 2.5VA, output 250 Volts, 8 amps max 1/2 HP.
- Three-phase, sequence and phase loss relay, Model DPA03, PPA03, followed by C, followed by M23, M48 or M69. Supply max 600V ac, max 17VA, output contact max rating 8A at 240V ac, 1/2 hp at 240V ac.
- Monitoring relay, Model DPA55 or DUA55, followed by C, followed by M44. Supply max 480V ac, max 10VA, output contact max rating 8A at 240V ac, 1/2 hp at 240V ac.

### Notes:

1. Suffix may be added to specific options.
2. Component type only where the suitability has to be evaluated by CSA International in the final

assembly.

- Digital panel meters, Models ED13 DIN, EDI 3 72, -VD, -VA, -AD, -AA, -FA. Supply 240V ac max, 4VA, voltmeter AC/DC, ammeter AC/DC, frequency meter 5A max AC, 1A max DC, Models EDP13 and EDP135, ESDI-35, -40 and ESDC supply 240V, 50/60Hz, 6VA max, temperature controller, regulating only, Model PTC3, front mounted, input 230V ac max, output contact 250V ac, 5A; modular panel meter, Model EDM35 Multi-range panel indicator and controller: supply 230V ac max, output contact 250V ac, 5A.
- Digital panel meters, Series EDI 3 72 AV. Followed by suffixes, Series EDPI 3 AV.. Followed by suffixes, front mounted, 240V ac max, 50-60Hz, 6VA max.
- Digital panel meter, Model number MDI40 followed by VOB or VOT or AOB or A4X or AOT or CFX or CFP, followed by A or B or C or D or 3 or 6, followed by X or A or R or S or W or Y followed by numbers 1 through 47, supply 240V ac or less, 50/60Hz, 6VA max.
- Digital panel meters, Series EDI, DI and EDPI3, DPI, digital panel meters with microprocessor based controller, Series ESDI and open system controllers, Series ESDC.
- Digital Panel Meter, Model number LDM 30, followed by AV1 or AV5, followed by B or D, followed by 0, followed by two digits, followed by option numbers, supply 240V ac max. 50/60Hz, 1VA max.
- Digital Panel Meter, Model number LDM35H followed by LSE or HSX, followed by H or L, followed by 0 or 2, followed by XX, followed by option numbers. Supply 240 V dc max. or 240V ac max. 50/60Hz, 5VA max.
- Digital Panel Meter, Model LDM40, followed by LSE or HSX, followed by H or L, followed by 0 to 2, Followed by XX or AV, followed by XX or SX, followed by X or T or Alpha-Numeric Characters.

Notes for digital meters:

1. Open type devices are Certified as components for use only where the suitability of the combination is determined by the Canadian Standards Association.
  2. Suffixes are added to series designation to form catalogue number and indicate type of construction.
  3. These meters are accepted to be connected to systems having available short circuit current 1kA max. For systems above 1kA, the instrument shall be subject to investigation within the end use equipment.
- Timer delay and operate relays, Models DAA51, DCB51, DMB51 and DBA52, supply 24V dc or 24 Volts to 240V ac, 1.5W; 1 output contacts max rating 8A at 250V ac; 1/2 hp at 240Vac and 2.5A, 24V dc.
  - Timer delay and operate relays, Model DAC51, supply 24 Volts to 240V AC/DC, 1.5W; 1 output contact max rating 8A at 250V ac; 1/2 hp at 240Vac, and 2.5A, 24V dc.
  - Timer delay and operate relays, Model DMB51CW24, supply 12V to 240V AC/DC, 1.5W; 1 output contact max ratings 8A at 250V ac; 1/2 hp at 240Vac and 2.5A, 24V dc.
  - Timer delay and operate relays, Models DHA51 AND DHA52, supply 24V dc or 24 Volts to 240V ac, 1.5W; 1 output contact max rating 8A at 250Vac; 1/2 hp at 240Vac and 2.5A at 24V dc.
  - Timer delay and operate relays; Models DAA71 and DMB71; Supply 24Vdc or 24 Volts to 240Vac; 50VA (ac); 2W (dc); 2 output contact, max rating: 5A at 240V ac; 1/2 hp at 240Vac and 5A, 24Vdc.
  - Timer delay and operate relays; Model DAA71CW24 and DMB71CW24; Supply 12V to 240Vac/dc; 5.5VA (ac); 2W (dc); 2 output contact, max rating: 5A at 240V ac, 1/2 hp at 240Vac

and 5A at 24Vdc.

- Timer delay and operate relays; Models DLA71xB23 and DLA73xB23; Supply 115/230Vac; 3VA; 2 or 3 output contact, max rating: 5A at 240V ac and 1/10 hp at 277Vac.
- Timer delay and operate relays; Models DLA71xB48 and DLA73xB48; Supply 24V/48Vac; 3VA; 2 or 3 output contact, max rating: 5A at 240V ac and 1/10 hp at 277Vac.
- Timer delay and operate relays; Models DLA71xD48 and DLA73xD48; Supply 24 to 48Vac/dc; 3VA; 2 or 3 output contact, max rating: 5A at 240V ac and 1/10 hp at 277Vac.
- Timer delay on release; Models DBB51CM24; Supply 24Vdc or 24 Volts to 240Vac, 1.5W; 1 output contact, max rating: 8A at 250V ac; 1/2 hp at 240Vac and 2.5A, 24Vdc.

Notes:

1. For use internal to certified enclosure only. Open type component for factory installation only where the suitability has to be evaluated by CSA International in the final assembly.
2. Suffixes may be added for software variations.

- Electronic – magnetically operated timer and multi-function timer relays:  
Component, cat. no. D or P followed by AA01 or MB01 or AC01 or CB01 or BB01 or BA02 or BB02 or MC01 followed by C or D.  
Rating input max. 240V ac, 240V dc; output 8 Amp, 250V ac, 1/2 HP at 240V ac.

Note: May be followed by suffixes.

- Monitoring Relays True RMS 3-Phase or 3-Phase+N, Multifunction, types DPC02, DPC01 and PPC01. Input and Supply 600 Volts max, 21 VA max, 45 to 440 Hz.. Output contact max 250 Volts, 8 Amp.
- Monitoring Relays 1-Phase True RMS AC/DC Over or Under Voltage relay typ DUB71. Input 500 Volts max, Supply 230 Volts max, 3 VA max, 45 to 65 Hz or 24 to 48V ac/dc. Output contact max 250 Volts, 5 Amp.
- Monitoring Relays 1-Phase True RMS AC/DC Over or Under Current relay typ DIB71. Input 5A max, Supply 230 Volts max, 3 VA max, 45 to 65 Hz or 24 to 48V ac/dc. Output contact max 250 Volts, 5 Amp.
- Monitoring Relays 3-Phase or 3-Phase+N, Multifunction, DPB71. Input 550 Volts max. Supply 480 Volts max, 13 VA max, 45 to 65 Hz. Output contact max 250 Volts, 5 Amp.
- Monitoring relays frequency monitoring model type DFC01. Input and supply 230 Volts max, 5VA max, 45 to 65 Hz. Output contact max 250 Volts, 8 Amp.
- Monitoring relay, model DPA71, followed by D, followed by M23 or M48, supply 480Vac max., 10VA max., output contact max rating 5A at 240Vac, 1/2hp at 240Vac.
- Monitoring relay, model DPB51, followed by C, followed by M44, supply 480Vac max., 15VA max., output contact max rating 5A at 240Vac, 1/2hp at 240Vac, (pilot duty 240 Vac, 360 VA.0
- Monitoring relay, model DPC71 or PPC71 Followed by D Followed by M23 or M48, may be followed by additional alpha-numerical characters indicating special versions, output contact max rating 5A at 240Vac, 1/2hp at 240Vac, (Pilot duty 240 Vac, 360 V A)

Notes:

1. For use internal to certified enclosure only.
  2. Suffix may be added for software variations.
  3. Not suitable for field installation.
- Digital Panel Control Devices - OSP Series: Models UDM35, UDM40, UDM60, USC followed by TF1, TF2, LSX, LSE, HSX or TRX, followed by XX, SX, SY or AV, followed by XX, R1, R2, R4, R5 or AV, followed by XX or AV (model USC only), followed by H or L, may be followed by additional numbers (see nomenclature breakdown details within Descriptive Report).  
Output rating:  
- Modules BOR1, BOR2, BOR4, Relay Contacts SPDT (NO-NC) 250V ac, 5A; 240V ac, 1/2 HP; 24V dc, 2.5A.  
- Modules BOR5, Relay Contact SPDT 240V ac, 3A; 266V ac, 1/10 HP.

## Notes:

1. These devices should be mounted within a suitable ultimate enclosure and with proper spacings being maintained.
  2. These devices should be used within their certified electrical rating.
  3. These devices were tested within an unventilated enclosure of 1.5 times the size of the device.
  4. These devices were tested with accepted Supplementary Fuse, rated:  
BPH: 250V, 630mA  
BPL: 250V, 3.15A
  5. These devices have been evaluated for use in a pollution degree 2 environment only.
  6. The terminals are suitable for factory wiring only.
- Multifunction Monitoring relays, input max 600V, output contact max 250 Volts 8 Amp., Models DPB, PPB, DPC, PPC, DIB, PIB, DIC, PIC, DUB, PUB, DUC, PUC, DFB, PFB.

## Notes:

1. Suffixes may be added to specifications.
  2. Component open type for factory installation only where the suitability has to be evaluated by CSA International in the final assembly.
- Mini Timer Series E followed by letter A or B, followed by letter S, followed by letter S, followed by M23, followed by 10S, 1M or 10M, may be followed by F. Input maximum: 230V ac/dc; Output maximum: 0.7A.
  - Mini Timer Series E followed by letter C, followed by letter S, followed by letter S, followed by M23, followed by A or B, followed by 10S, 1M or 10M, may be followed by F. Input maximum: 230V ac/dc; Output maximum: 0.7A.
  - Electronic-magnetically operated timer and multi-function timer relays, open type, Model FAA01DW24, FAA08DW24 and FMB01DW24. Input rating: 12 to 240V ac, 2.5VA maximum or 12 to 240V dc, 1.5W maximum; output rating: 8A at 240V ac.
  - Digital Panel Control Devices -OSP Series: Models UDM35, UDM40, UDM60 and USC followed by TF1, TF2, LSX, LSE, HSX or TRX, followed by XX, SX, SY or AV, followed by XX, R1, R2, R4, R5 or AV, followed by XX or AV (Model USC only), Followed by H or L, may be followed by additional numbers ( see nomenclature breakdown details within descriptive report).

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