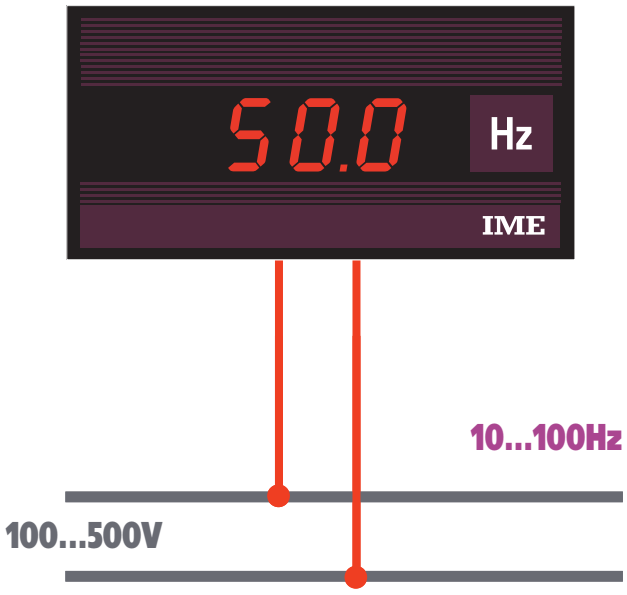
Indicatore digitale di frequenza 96x48 mm

Frequency digital meter 96x48 mm

DG4S

Misura e visualizzazione diretta della frequenza
Ingresso tensione 100...500V
Campo di misura 10...100Hz

To measure and directly display input frequency
Input voltage 100...500V
Measuring range 10...100Hz



CODICE DI ORDINAZIONE *ORDERING CODE*	AL. AUSILIARIA *AUX. SUPPLY*		INGRESSO *INPUT*
	ca / *ac*	cc / *dc*	
DG4S03F1	115V	-	100...500V 10...100Hz
DG4S06F1	230V	-	
DG4S07F1	240V	-	
DG4S0HF1	48V	20...150V	
ADGIP544	Accessorio protezione frontale IP54 / *IP54 front frame protection kit*		

VISUALIZZAZIONE

Tipo display: LED rossi, 7 segmenti
Altezza cifre: 14mm
N° punti visualizzazione: 1.000 (3 cifre)
Indicazione massima: 99,9
Unità ingegneristica: Hz
Punto decimale: fisso (00,0)
Risoluzione: 0,1Hz
Precisione (riferita al fondo scala): ±0,1Hz
Aggiornamento lettura: 0,8s

DISPLAY

Type of display: *7 segments, red LED's*
Digit height: *14mm*
N° of display points: *1.000 (3 digit)*
Maximum display: *99,9*
Engineering unit: *Hz*
Decimal point: *fixed (00,0)*
Resolution: *0,1Hz*
Accuracy (referred to full scale): *±0,1Hz*
Display update: *0,8s*

INGRESSO

Tensione nominale Un: 100...500V
Autoconsumo: ≤ 0,1VA
Forma d'onda segnale di ingresso: sinusoidale simmetrica, fattore di forma 1,11
Frequenza nominale fn: 50 e 60Hz
Campo di misura: 10...100Hz

INPUT

Rated voltage Un: *100...500V*
Rated burden: *≤ 0,1VA*
Input signal waveform: *symmetric sinusoidal, form factor 1,11*
Rated frequency fn: *50 and 60Hz*
Measuring range: *10...100Hz*

ALIMENTAZIONE AUSILIARIA

Valore nominale Uaux ca: 48 – 115 – 230 – 240V
Variazione ammessa: ±10% Uaux ca – 40...60V (Uaux 48V)
Frequenza nominale: ± 50%Hz
Frequenza di funzionamento: 47...63Hz
Autoconsumo: ≤ 3,5VA
Valore nominale Uaux cc: 20...150Vcc
Autoconsumo: ≤ 2,5W
Protezione contro l'inversione di polarità

AUXILIARY SUPPLY

Rated value Uaux ac: *48 – 115 – 230 – 240V*
Tolerance: *±10% Uaux ca – 40...60V (Uaux 48V)*
Rated frequency: *± 50%Hz*
Working frequency: *47...63Hz*
Rated burden: *≤ 3,5VA*
Rated value Uaux dc: *20...150Vdc*
Rated burden: *≤ 2,5W*
Protected against incorrect polarity

ISOLAMENTO (IEC 61010-1)

Categoria di installazione: III
Grado di inquinamento: 2
Prova di tensione alternata 2,5kV valore efficace 50Hz/1 min
Circuiti considerati: misura, alimentazione
Prova di tensione alternata 2,5kV valore efficace 50Hz/1 min
Circuiti considerati: tutti i circuiti e massa
Prova di tensione a impulso 5kV 1,2/50μs 0,5J
Circuiti considerati: misura, alimentazione

INSULATION *(EN/IEC 61010-1)*

Installation category: *III*
Pollution degree: *2*
A.C. voltage test 2,5kV r.m.s. 50Hz/1 min
Considered circuits: *measure, supply*
A.C. voltage test 2,5kV r.m.s. 50Hz/1 min
Considered circuits: *all circuits and earth*
Impulse voltage test 5kV 1,2/50μs 0,5J
Considered circuits: *measure, supply*

COMPATIBILITA' ELETTROMAGNETICA

Prove di emissione in accordo con EN/IEC 61326-1
Prove di immunità in accordo con EN/IEC 61326-1
Ambiente EMC base

ELECTROMAGNETIC COMPATIBILITY

Emission tests according to EN/IEC 61326-1
Immunity tests according to EN/IEC 61326-1
Basic EMC environment

CONDIZIONI AMBIENTALI

Temperatura di riferimento: 23°C ±1°C
Temperatura di impiego: -5...55°C
Variazione indice di classe: ±0,03%/°C

ENVIRONMENTAL CONDITIONS

Reference temperature: *23°C ±1°C*
Specified operating range: *-5...55°C*
Variation to the class index: *±0,03%/°C*

Campo limite per l'immagazzinamento e trasporto: -40...70°C

Adatto all'utilizzo in clima tropicale

Massima potenza dissipata[1]**:** ≤ 3,5W

[1]Per il dimensionamento termico dei quadri

CUSTODIA

Custodia: incasso (foratura pannello 92x45mm)

Frontale: 96x48mm (99x52mm con protezione IP54)

Profondità: 103mm

Connessione: faston 6,3x0,8mm

Materiale custodia: policarbonato autoestinguente

Grado di protezione (EN/IEC 60529): IP50 (frontale) IP20 (morsetti)

Opzione: protezione frontale IP54 (con accessorio ADGIP544)

Peso: 300 grammi

Limit range for storage and transport: *-40...70°C*

Suitable for tropical climates

Max. power dissipation[1]***:*** *≤ 3,5W*

[1]*For switchboard thermal calculation*

HOUSING

Housing: *flush mounting (panel cutout 92x45mm)*

Front frame: *96x48mm (99x52mm with IP54 protection)*

Depth: *103mm*

Connections: *faston 6,3x0,8mm*

Housing material: *self-extinguishing policarbonate*

Protection degree (EN/IEC 60529): *IP50 (front frame) IP20 (terminals)*

Option: *IP54 protection degree (wih kit ADGIP544)*

Weight: *300 grams*

SCHEMA D'INSERZIONE *WIRING DIAGRAM*

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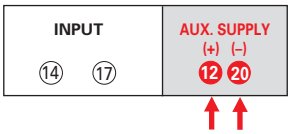
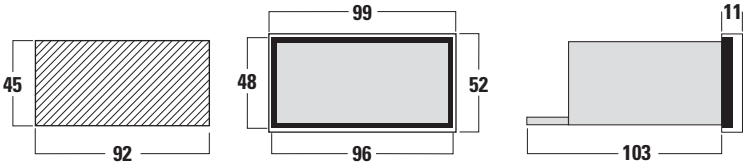


DIMENSIONI *DIMENSIONS*



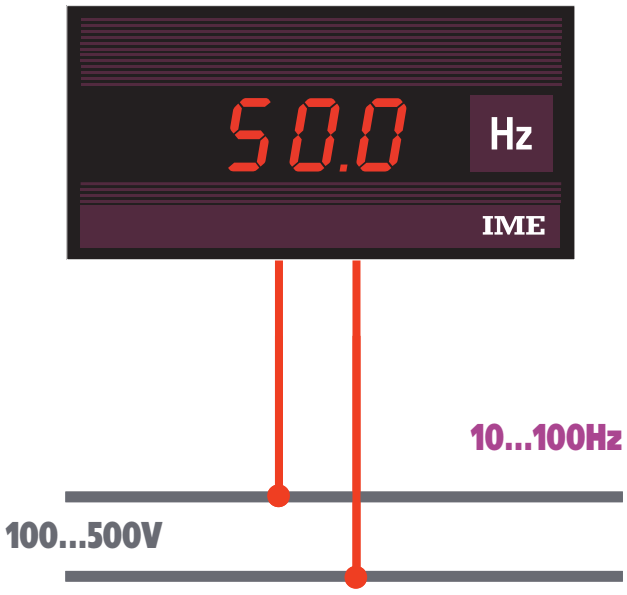
DGP 96

Indicateur numérique de fréquence 96x48 mm

Mesure et affichage direct de la fréquence
Entrée tension 100...500V
Etendue de mesure 10...100Hz

Frequency digital meter 96x48 mm

To measure and directly display input frequency
Input voltage 100...500V
Measuring range 10...100Hz



REFERENCES *ORDERING CODE*	ALIMENTATION AUXILIAIRE *AUX. SUPPLY* ac	dc	ENTREE *INPUT*
	115V	-	100...500V 10...100Hz
	230V	-	
	240V	-	
	48V	20...150V	
	Accessoire protection face avant IP54 / *IP54 front frame protection kit*		

AFFICHAGE

Type d'affichage: LED rouges, 7 segments
Hauteur des chiffres: 14mm
N° points d'affichage: 1.000 (3 chiffres)
Indication maximum: 99,9
Unité de mesure: Hz
Point décimal: fixe (00,0)
Résolution: 0,1Hz
Précision : ±0,1Hz
Echantillonnage: 0,8s

DISPLAY

Type of display: *7 segments, red LED's*
Digit height: *14mm*
N° of display points: *1.000 (3 digit)*
Maximum display: *99,9*
Engineering unit: *Hz*
Decimal point: *fixed (00,0)*
Resolution: *0,1Hz*
Accuracy (referred to full scale): *±0,1Hz*
Display update: *0,8s*

ENTREE

Tension nominale Un: 100...500V
Autoconsommation: ≤ 0,1VA
Forme d'onde du signal d'entrée: sinusoïdale symétrique, facteur de forme 1,11
Fréquence nominale fn: 50 et 60Hz
Etendue de mesure: 10...100Hz

INPUT

Rated voltage Un: *100...500V*
Rated burden: *≤ 0,1VA*
Input signal waveform: *symmetric sinusoidal, form factor 1,11*
Rated frequency fn: *50 and 60Hz*
Measuring range: *10...100Hz*

ALIMENTATION AUXILIAIRE

Valeur nominale Uaux ca: 48 – 115 – 230 – 240V
Variation admissible: ±10% Uaux ac – 40...60V (Uaux 48V)
Fréquence nominale: ± 50%Hz
Fréquence de fonctionnement: 47...63Hz
Autoconsommation: ≤ 3,5VA
Valeur nominale Uaux dc: 20...150Vdc
Autoconsommation: ≤ 2,5W
Protection contre l'inversion de polarité

AUXILIARY SUPPLY

Rated value Uaux ac: *48 – 115 – 230 – 240V*
Tolerance: *±10% Uaux ca – 40...60V (Uaux 48V)*
Rated frequency: *± 50%Hz*
Working frequency: *47...63Hz*
Rated burden: *≤ 3,5VA*
Rated value Uaux dc: *20...150Vdc*
Rated burden: *≤ 2,5W*
Protected against incorrect polarity

ISOLEMENT (EN/IEC 61010-1)

Catégorie de l'installation: III
Degré de pollution: 2
Tension d'essai 2kV valeur efficace 50Hz/1 min
Circuits considérés: mesure, alimentation
Tension d'essai 2,5kV valeur efficace 50Hz/1 min
Circuits considérés: tous les circuits et la masse
Tension d'essai 5kV impulsion normalisée 1,2/50µs 0,5J
Circuits considérés: mesure, alimentation

INSULATION *(EN/IEC 61010-1)*

Installation category: *III*
Pollution degree: *2*
A.C. voltage test 2,5kV r.m.s. 50Hz/1 min
Considered circuits: *measure, supply*
A.C. voltage test 2,5kV r.m.s. 50Hz/1 min
Considered circuits: *all circuits and earth*
Impulse voltage test 5kV 1,2/50µs 0,5J
Considered circuits: *measure, supply*

COMPATIBILITÉ ELECTROMAGNETIQUE

Test d'émission selon EN/IEC 61326-1
Test d'immunité selon EN/IEC 61326-1
Environnement de base EMC

ELECTROMAGNETIC COMPATIBILITY

Emission tests according to EN/IEC 61326-1
Immunity tests according to EN/IEC 61326-1
Basic EMC environment

CONDITIONS D'UTILISATION

Température de référence: 23°C ± 1°C
Température de fonctionnement: -5…55°C
Variation de l'indice de classe: ±0.03% / °C

ENVIRONMENTAL CONDITIONS

Reference temperature: *23°C ±1°C*
Specified operating range: *-5...55°C*
Variation to the class index: *±0,03%/°C*

Température de stockage et le transport: -40...70°C

Adapté pour l'utilisation en climat tropical

Puissance max. dissipée[1]: ≤ 3,5W

[1]Pour le dimensionnement thermique du coffret

Limit range for storage and transport: *-40...70°C*

Suitable for tropical climates

Max. power dissipation[1]: *≤ 3,5W*

[1]For switchboard thermal calculation

BOITIER

Boîtier: encastré (découpe panneau 92x45mm)

Face avant: 96x48mm (99x52mm avec protection IP54)

Profondeur: 103mm

Raccordement: faston 6,3x0,8mm

Matériau du boîtier: polycarbonate autoextinguible

Degré de protection (EN60529): IP50 (face avant), IP20 (bornes)

Option: protection face avant IP54 (avec accessoire 7026 0214)

Poids: 300 grammes

HOUSING

Housing: *flush mounting (panel cutout 92x45mm)*

Front frame: *96x48mm (99x52mm with IP54 protection)*

Depth: *103mm*

Connections: *faston 6,3x0,8mm*

Housing material: *self-extinguishing policarbonate*

Protection degree (EN/IEC 60529): *IP50 (front frame) IP20 (terminals)*

Option: *IP54 protection degree (wih kit ADGIP544)*

Weight: *300 grams*

SCHEMA DE RACCORDEMENT *WIRING DIAGRAM*

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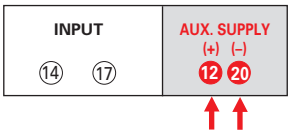

DIMENSIONS *DIMENSIONS*