PRN 162 — PRN 322 — PRN 642 — PRN 962 — PRN 3/322

CE



VARIABLE RESISTORS

Application

These table type variable resistors are indispensable aids, designed for varying d.c. and a.c. currents or voltages in a wide range of the electrical industry, such as testing the electric circuits of motor vehicles, applications in the laboratory and education and other. The units can be operated as rheostats or potentiometers.

RESISTANCES VARIABLES

Emploi

Les résistances varibles bobinées s'emploient comme moyens de réglage de courants ou de tensions c.c. et c.a. lors des différents essais et contrôles de charges dans l'électrotechnique l'électricité d'automobile et pour l'enseignement technique. Elles peuvet être utilisées comme chunts ou comme potentiomètres.

RESISTENZE VARIABILI

Applicazioni

Queste resistenze variabili da tavolo, sono di grande aiuto nelle prove di laboratorio per variare tensione o corrente in a.c. oppure in d.c. La resistenza può essere utilizzata sia come reostato che come potenziometro.

**Manufactured with the technical expertise of Contrex d.o.o. of Slovenia.
Our engineers are trained at Contrex, Slovenia**

OSAW Industrial Products Pvt Ltd is a manufacturer of Science / Engineering Lab Equipment for the Education Sector. We are INDOSAW an offspring of more than century old OSAW group Estd.1919.

Indosaw came into being as an independent identity in 1993. There are more than 250 skilled technicians, engineers and managers working in the company. We are the collective strength of our Human Resource.

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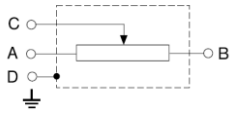
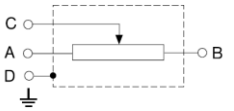
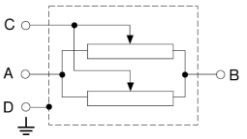
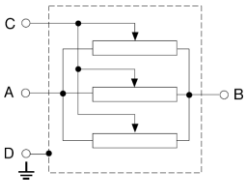
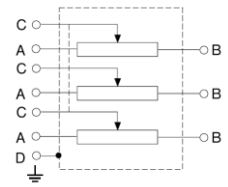
Type Type Tipo	Description Description Descrizione	Scheme Schéma Schema	Resist. (?)	I_{max} (A) permanent	I_{max} (A) 15 min.
PRN 162  160 VA	• Small handy version. • Exécution convenable pour petites charges. • Versione maneggevole per carichi minori.		1	13	18
			3.3	7	10
			10	4	5.7
			33	2.2	3.1
			100	1.25	1.8
			330	0.7	1.0
			1000	0.4	0.57
			3300	0.22	0.31
PRN 322  320 VA	• Version for usual loadings. One resistance coil in a housing. • Exécution convenable pour charges normales. Une bobine dans le boîtier. • Versione per carichi abituali. Un avvolgimento di resistenza nel contenitore.		1	18	25
			3.3	10	14
			10	5.7	8
			33	3.1	4.4
			100	1.8	2.5
			330	1.0	1.4
			1000	0.57	0.8
			3300	0.31	0.44
			10000	0.18	0.25
PRN 642  640 VA	• Version for high loadings. Two parallell connected resistance coils, in a housing. Sliding pieces are mechanically and electrically connected. • Exécution pour grandes charges. Deux bobines liées en parallèle. Les coulisses sont liées mécaniquement et électriquement. • Versione per carichi maggiori. Due avvolgimenti di resistenza collegati in parallelo nel contenitore. Le guide hanno collegamento meccanico ed elettrico.		0.5	36	50
			1.6	20	28
			5	11.4	16
			16.5	6.2	8.7
			50	3.6	5
			165	2	2.8
			500	1.1	1.6
			1650	0.63	0.9
			5000	0.36	0.5
PRN 962  960 VA	• Version for very high loadings. Three parallelly connected resistance coils, in a housing. Sliding pieces are mechanically and electrically connected. • Exécution pour grandes charges. Trois bobines liées en parallèle dans le boîtier. Les coulisses sont liées mécaniquement et électriquement. • Versione per grossi carichi. Tre avvolgimenti di resistenza collegati in parallelo nel contenitore. Le guide hanno collegamento meccanico ed elettrico.		0.33	54	76
			1.1	30	42
			3.33	17	24
			11	9.3	13
			33	5.4	7.6
			110	3	4.2
			333	1.7	2.4
			1100	0.98	1.4
			3330	0.54	0.76
PRN 3/322  3 - 320 VA	• Three phase version with resistance coils 3×320 VA. Sliding pieces are mechanically connected. • Exécution triphasée avec bobines de 3×320 VA. Les coulisses sont interliées mecaniquement. • Versione a tre fasi con avvolgimenti di resistenza 3×320 VA. Le guide hanno collegamento meccanico.		3- 1	3- 18	3- 25
			3- 3.3	3- 10	3- 14
			3- 10	3- 5.7	3- 8
			3- 33	3- 3.1	3- 4.4
			3- 100	3- 1.8	3- 2.5
			3- 330	3- 1.0	3- 1.4
			3- 1000	3- 0.57	3- 0.8
			3- 3300	3- 0.31	3- 0.44
			3- 10000	3- 0.18	3- 0.25

Common Technical Data

Rated resistance see tables
Resistance tolerance ± 10 %
Allowed permanent and intermittent load at 23 0C ambient temperature see tables
Insulation resistance > 3 × 107 Ω
Earthing resistance < 0.1 Ω
Allowed voltage at terminals max. 600 V ≃
Allowed voltage between terminals (applied to PRN 3/322) max. 700 V ≃
Breakdown voltage against casing > 2500 V~
Protection degree IP 20
Construction according to EN 61010-1

In accordance to 2002/95/EC (Ro HS)

Données techniques communes

Résistance nominale selon le tableau
Tolérance de résistance ± 10 %
Charge permanente permissible à la température ambiante de 23 0C selon le tableau
Résistance d'isolation > 3 × 107 Ω
Résistance de mise à la terre < 0,1 Ω
Tension permise sur les bornes max. 600 V≃
Tension permise entre les bornes (pour PRN 3/322) max. 700 V≃
Tension de rupture contre le boîtier > 2500 V~
Degré de protection IP 20
Construction d'après la norme EN 61010-1

Dans l'accoard à 2002/95/EC (Ro HS)

Dati tecnici comuni

Resistenza nominale vedi tabella
Tolleranza ± 10 %
Carico di corrente permanente ammesso vedi tabella
Resistenza di isolamento > 3 × 107 Ω
Resistenza di terra < 0,1 Ω
Tensione massima applicabile ai terminali max 600 V≃
Tensione ammessa fra i morsetti (per PRN 3/322) max 700 V≃
Tensione isolamento custodia metallica > 2500 V~
Grado di protezione IP 20
Norme internazionali EN 61010-1

Nell'accordo a 2002/95/EC (Ro HS)

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