



Dok-Tek Systems Ltd.

Tel: [+44] 01 179 145 510

D7D Avondale Works, Woodland Way, Bristol. England. UK (GB). BS15 1PA

Fax: [+44] 01 179 145 103

Web: www.dok-tek.co.uk / e-mail: main.doktek@gmail.com

	<h2>BALLAST1</h2>
	Resistive Ballast for Reduction of Illumination Intensity with Dok-Tek Led Signals <i>Ballast - Series Connection</i>
	Le ballast résistif pour la réduction d'intensité d'illumination avec Dok-Tek feu de semaphore. - Ballast - Raccordement de série
	Widerstrebende Drossel für Verkleinerung von Ablichtungs-Intensität mit Dok-Tek führte Signale - Drossel - Hintereinanderschaltung
	La reattanza resistente per riduzione dell'intensità di illuminazione con Dok-Tek ha condotto i segnali Reattanza - collegamento in serie
	El lastre resistente para la reducción de la intensidad de la iluminación con Dok-Tek llevó señales - Lastre - conexión de serie
	O reator Resistive para a redução da intensidade da iluminação com Dok-Tek conduziu sinais - Reator - conexão de série



$\Omega = 22R$	$\Omega = 68R$	$\Omega = 90R$ (22R+68R)	$\Omega = 130R$	$\Omega = 152R$ (22R+130R)	$\Omega = 198R$ (68R+130R)	$\Omega = 220R$ (22R+68R+130R)
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T*R*100b_U24vDC	90%	80%	75%	70%	60%	55%	50%
T*R*150b_U24vDC	90%	80%	75%	70%	65%	60%	55%

T1G100b_U24vDC	95%	90%	80%	70%	60%	55%	50%
T1G150b_U24vDC	90%	85%	80%	75%	70%	65%	60%

M1A100e_U24vDC	95%	90%	80%	70%	60%	50%	40%
M1A150e_U24vDC	90%	75%	60%	50%	45%	40%	30%



EEC directives

EWG-Richtlinie

Diretriz orientadora da CEE

Directive de la CEE

Indirizzamento del EEC

Directiva del EEC

2002/95/EC

Restriction Of Hazardous Substances - Not Applicable - Does not contain Lead, Mercury, Cadmium or Hexavalent Chromium.



Restricción De Sustancias Peligrosas - Non aplicabile - No contiene el plomo, el mercurio, el cadmio o el cromo hexavalente.

Restriction Des Substances Dangereuses - Non applicables - Ne contient pas le fil, le mercure, le cadmium ou le chrome hexavalent.

Pb-Free

Limitazione Delle Sostanze Pericolose - Non applicabile - Non contiene il covo, il mercurio, il cadmio o il bicromato di potassio esavalente.

Limitação De Substâncias Perigosas - Nao aplicável - Não contem a ligação, o mercúrio, o cádmio ou o cromo hexavalent.

Beschränkung Der Gefährlichen Substanzen - Nicht zutreffend - Enthält nicht Leitung, Quecksilber, Kadmium oder sechswertiges Chrom.

89/336/EEC**[CENELEC - EN 50082-1]**

EMC immunity: Light Industrial
Immunité d'EMC : Industriel Léger
EMC Immunität: Leicht Industriell

Inmunidad de EMC: Industrial Ligero
Immunity de EMC: Industrial Claro
Immunità di EMC: Industriale Chiaro

89/336/EEC**[CENELEC - EN 50081]**

Emissions - Not applicable - EMC benign
Émissions - Non applicables - EMC bénins
Emissionen - Nicht zutreffend - EMC gutartig

Emissioni - Non applicabili - EMC benigno
Emissões - Nao aplicáveis - EMC benignos
Emisiones - No aplicables - EMC benignos

73/23/EEC

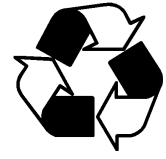
Not applicable - Extra low voltage.
Non applicable - Supplémentaire basse tension.
Nicht zutreffend - Extraniederspannung.

Non applicabile - Supplementare bassa tensione.
Nao aplicável - Extra baixa tensão.
No aplicable - Adicional baja tensión.

2002/96/EC

Not applicable
Non applicable
Nicht zutreffend
Non applicabile.
Nao aplicable.
No aplicable.

Voluntary good practice.
Bonne pratique volontaire.
Freiwillige gute Praxis.
Buona pratica volontaria.
Buena práctica voluntaria.
Prática boa voluntária.

**Degree of Protection – IP00 - IEC 60529, EN 60 529,****Suggested Voluntary Waste Recovery & Disposal Method- UK Only**

Mechanically Grind entire assembly.
Recover and separate metallic elements.

Remainder inert / non- hazardous.
Landfill, alternatively high temperature specialist decomposition.

You may wish to buy Vishay AC05 Series Axial 5W Wirewound Resistors Axial yourselves. The UK Stock numbers fro RS Components & Farnell are given below. (Other manufacturers and near other wattages would be suitable).

Value	RS Stock No.	Farnell Code:	Value	RS Stock No.	Farnell Code:
Vishay AC05 - Axial 5W Wirewound Resistors					
10Ω	683-0983	1735130	100Ω	683-1030	1735143
22Ω	683-1011	1735134	150Ω	683-0995	1735145
33Ω	855-8790	1735137	180Ω	683-1002	1735146
47Ω	683-1021	1735139	220Ω	683-1009	1735148
56Ω	846-9895	1735140	270Ω	683-1043	1735149
68Ω	855-8813	1735141	330Ω	683-1052	1735150
			390Ω	683-1059	1735151

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