

File E116950
Project 05SC05190

Issued: December 09, 2005
Revised: July 21, 2010

REPORT

ON

COMPONENT - SWITCHES, INDUSTRIAL CONTROL

*
*

Crydom Inc
San Diego, CA

Copyright © 2005 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above-named company to reproduce this Report provided it is reproduced in its entirety.

Underwriters Laboratories Inc. authorizes the above-named company to reproduce that portion of this Report consisting of this Cover Page through Page 2.

DESCRIPTION

PRODUCT COVERED:

USR, CNR: Component - Industrial Control Switch, Models CY6795 and CY7089
Series EL, followed by 240A **or 100D**, followed by 5, 10 or 20, may be followed
 by R, followed by 05, 12 or 24, may be followed by a four digit suffix.

GENERAL:

These components are semiconductor switches where the load is switched
 by a triac. A Recognized Component Optical Isolator provides isolation
 between the control circuit and the power circuit. This model is intended
 for use with complete industrial control equipment where the suitability of
 the combination has been determined by Underwriters Laboratories
 Incorporated.

ELECTRICAL RATINGS:

Model	Input Voltage	Output Voltage	Current
CY6795, CY7089	12 V dc, 17 mA	24 - 280 V ac	20 A @ 40°C, Gen Use,
EL240A5x 05	4-8 Vdc		
EL240A5x 12	10-14 Vdc	24 - 280 Vac	5 A @ 40C, Gen Use
EL240A5x 24	21-27 Vdc		
EL240A10 x05	4-8 Vdc		
EL240A10 x12	10-14 Vdc	24 - 280 Vac	10 A @ 40C, Gen Use
EL240A10 x24	21-27 Vdc		
EL240A20 x05	4-8 Vdc		
EL240A20 x12	10-14 Vdc	24 - 280 Vac	20 A @ 40C, Gen Use
EL240A20 x24	21-27 Vdc		

*

ELECTRICAL RATINGS continued:

Model	Input Voltage	Output Voltage	Current
EL100D5-05	3.8-8 Vdc		
EL100D5-12	9-15 Vdc	3 - 100 Vdc	5 A @ 40C, Gen Use
EL100D5-24	18-28 Vdc		
EL100D10-05	3.8-8 Vdc		
EL100D10-12	9-15 Vdc		
EL100D10-24	18-28 Vdc	3 - 100 Vdc	10 A @ 40C, Gen Use

Maximum Surrounding Air Temperature: 40°C, See derating curve

NOMENCLATURE:

EL 240A 20 R 24 - xxxx

I II III IV V - VI

I. Basic Designation -

EL Series

II. Output Voltage

240A - 24-280 Vac

100D - 3-100 Vdc

III. Output Current

5 - 5 Amp

10 - 10 Amp

20 - 20 Amp (**only for AC output versions**)

IV. Switching Mode

Blank - Zero Crossing

R - Random switching

V. Input Voltage

05 - 4-8 Vdc (**AC output models**); 3.8-8 Vdc (DC output models)

12 - 10-14 Vdc(**AC output models**); 9-15 Vdc (DC output models)

24 - 21-27 Vdc(**AC output models**); 18-28 Vdc (DC output models)

VI. Option

A four digit suffix may be added for manufacturing variances not associated with the ratings