

# General Specifications

## DR-546-C1

ProSafe-SLS™

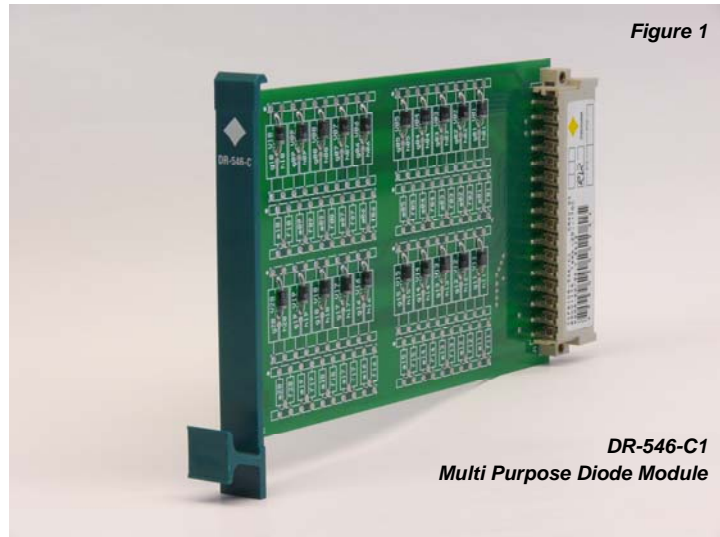
GS48C46C01-00E-N

Multi Purpose Diode Module

### ■ GENERAL

This multi purpose diode module has 20 channels. Each channel consists of a single diode.

The module is mainly used as coupling / decoupling module for dc signals or power supplies.



■ FUNCTIONAL DIAGRAM

Inputs	Module	Outputs
<u>z28</u>	01	<u>z02</u>
<u>b28</u>	02	<u>b02</u>
<u>d28</u>	03	<u>d02</u>
<u>b26</u>	04	<u>b04</u>
<u>d26</u>	05	<u>d04</u>
<u>b24</u>	06	<u>b06</u>
<u>d24</u>	07	<u>d06</u>
<u>b22</u>	08	<u>d14</u>
<u>b18</u>	09	<u>b14</u>
<u>d20</u>	10	<u>d12</u>
<u>b20</u>	11	<u>b12</u>
<u>d22</u>	12	<u>d10</u>
<u>d16</u>	13	<u>b10</u>
<u>b16</u>	14	<u>d08</u>
<u>d18</u>	15	<u>b08</u>
<u>z26</u>	16	<u>z04</u>
<u>z24</u>	17	<u>z06</u>
<u>z22</u>	18	<u>z08</u>
<u>z18</u>	19	<u>z12</u>
<u>z16</u>	20	<u>z14</u>
<b>Supply</b>	<b>Notes</b>	<b>Front</b>
z32	not used	1
z30	not used	2
b32	not used	3
d32	not used	4
d30	not used	5
b30	not used	6
		7
		8



## ■ SPECIFICATIONS

	Description	Data
General	No. of channels	20
	Size	single Euro format 3TE (160x100x15 mm)
	Connector	DIN 41612 Bauform F 48p
	Identification	DR-546-C on front
Environmental	Temperature (working)	-20 to +70 °C
	Temperature (storage)	-25 to +85 °C
	Relative humidity	max. 95%, no condensation
	EMC	EN 61000-6-2 Immunity EN 61000-6-4 Emission  With an EMC system enclosure
	Shock	10g ; 16 ms
	Vibration	10-55 Hz ; ± 0.35 mm
Input		see 'Output'
Output	Each channel	not applicable
	Current	max. 0.5 A average
	Reverse voltage	max. 150 Vdc
	Forward voltage	< 1 Vdc
	Leakage current	< 100 µA @ 24 Vdc
Propagation		not applicable
Supply		not applicable
Isolation	Channels	0.5 kV (test)
Dissipation		2.8 W @ all channels loaded with 0.2 Adc
		7 W @ all channels loaded with 0.5 Adc

**Note:** use 6TE mounting space for dissipation > 2.5 W.

NOTES