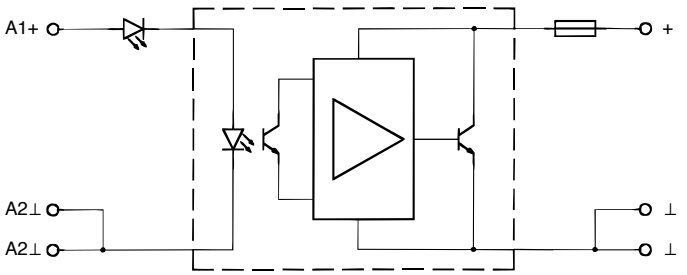
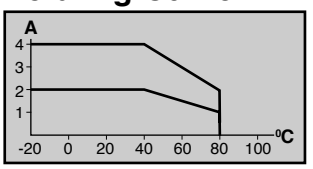
Semiconductor-Switch-Modules (DC)
MHSD

B



Derating-Curve



Features:

- Isolation between control circuit and contact circuit by optocoupler
- Long life span
- No electromagnetical interference
- Bounce-free switching since there are no moving parts
- No-spark operation
- The control status is indicated in the control circuit by means of a LED
- The circuit is protected by a fuse
- Inductive loads must be wired with a high speed free-wheeling diode

Order Table

Module -Type:	Kind of voltage and number of switches:	Switching Current (A):	Voltage Input (V):	Voltage Output (V):	Terminals Input:	Term. Output:	Housing:
MHS	D01, D04, D08, D16	2, 4	24	3 – 50 → 050	Type 150-A-111 with 2x2,5 mm² →M Optional available: (A,B,G)	Type 150-A-111 2x2,5 mm² →M Optional available: (A,B,G)	Module Housing M-512 Z

M	H	S				-		-			0	5	0	-			Z

Type-Designation

Technical Data

Input

Input voltage:	VDC	5-24
Input current:	mA	15-25

Output

Input voltage range:	VDC	3 – 50
Leakage current:	µA	1
Max. load current:	A	2 / 4
Surge current (1 sec) max.:	A	3 / 8
Voltage drop:	VDC	1,2

Electrical Specifications

Isolation voltage (Input/Output):	VAC	2,5 K
Maximum response time:	ms	0,5
Capacity (Input/Output):	pF	15

Ambient temp.:-20° up to 80°C/ -4° up to 176°F

Terminals are at choice, see how to order.

Dimensions:
Height above the housing edge:
Example with terminal 970-E-DS (Code E):30 mm /1.20 in (total height plus 30 mm)

Length	24 mm / 0.95 in
	69 mm / 2.72 in
	137 mm / 5.40 in
	274 mm / 10.80 in
Width:	76 mm / 3.00 in

Description

The semiconductor switch DC applies a DC voltage of maximum 50 VDC to a load, as the result of a control command, at a continuous current of maximum 2 A bzw. 4 A. The control circuit and circuit are electrically isolated by means of an optocoupler.

Options

‰ Connection via pin block or subminiature connector.

‰ Customer specified designs.