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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Active module - UM- 8RM/KSR-G24/21/MS/SI/PLC - 2900893

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VARIOFACE output module, with 8 miniature relays, 1 PDT with detectable manual operation and fuse each, plugged, for 24 V DC (incl. relay)

### Product Features

- Slim overall width of just 127 mm
- Polarity protection diode
- Supply voltage indicator (LED)
- LED status indicator and freewheeling diode per signal path
- Fuse per output circuit as short-circuit protection
- Plug-in miniature relays each with a PDT with or without detectable manual operation



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	460.0 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	127 mm
Height	111 mm
Depth	64 mm

#### Ambient conditions

## Active module - UM- 8RM/KSR-G24/21/MS/SI/PLC - 2900893

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

#### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Typical input current at $U_N$	18 mA
Typical response time	9 ms
Typical release time	6 ms
Type of protection	Free-wheeling diode (integrated in relay)
Operating voltage display	Green LED
Status display/channel	Yellow LED (integrated in relay)

#### Output data

Contact type	Single contact, 1-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V AC/DC
Limiting continuous current	3.9 A (observe derating)
Min. switching current	10 mA
Interrupting rating (ohmic load) max.	93 W (24 V DC)
	62 W (48 V DC)
	42 W (60 V DC)
	55 W (110 V DC)
	66 W (220 V DC)
	975 VA (250 V AC)
Output fuse	4 A 5x20 fuse (slow-blow)
Fuse	5x20 fuse

#### General

No. of channels	8
With components	Yes
Mechanical service life	5 x 10 <sup>6</sup> cycles
Operating mode	100% operating factor
Degree of protection	IP00
Mounting position	any
Assembly instructions	In rows with zero spacing
Color	green
Designation	Air and creepage distances, output/output

## Active module - UM- 8RM/KSR-G24/21/MS/SI/PLC - 2900893

### Technical data

#### General

Standards/regulations	DIN EN 50178
	IEC 60664
	IEC 62103
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (Basic insulation between output contact current paths)
	6 kV (Safe isolation and reinforced insulation between input circuit and output contact paths)
Pollution degree	2
Overvoltage category	III

#### Connection data for connection 1

Connection name	Controller level
Connection method	IDC/FLK pin strip (2.54 mm)
Number of connections	1
Number of positions	14

#### Connection data for connection 2

Connection name	Field level
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
AWG conductor cross section	24 ... 12

#### Connection data for connection 3

Connection name	Supply
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
AWG conductor cross section	24 ... 12
Number of connections	2

#### Supported controller

Corresponding control	MITSUBISHI MELSEC Q
Corresponding I/O card	QY82P
Corresponding control	MITSUBISHI MELSEC L
Corresponding I/O card	LY41PT1P



## Active module - UM- 8RM/KSR-G24/21/MS/SI/PLC - 2900893

### Technical data

#### Supported controller

	LY42PT1P
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### Classifications

#### eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371601

#### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437

#### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

# Active module - UM- 8RM/KSR-G24/21/MS/SI/PLC - 2900893

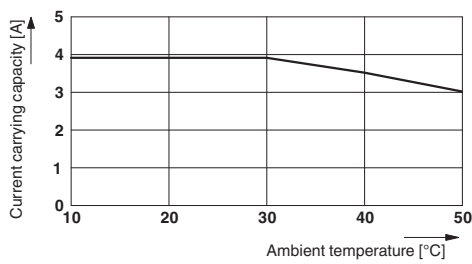
## Approvals

### Approval details

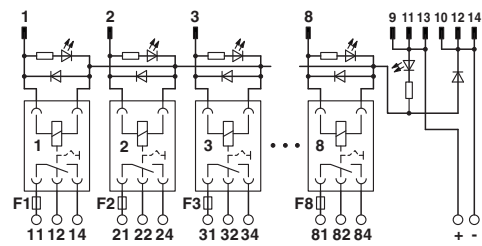
EAC

## Drawings

Diagram



Circuit diagram



Derating curve for limiting continuous current