Active module - UM-32RM/KSR-G24/21/MS/PLC - 2900891

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VARIOFACE output module, with 32 miniature relays, 1 PDT with detectable manual operation each, plugged, for 24 V DC (incl. relay)

Why buy this product

- Narrow design width of just 92 mm (8 channels) or 285 mm (32 channels)
- Plug-in miniature relays each with a PDT and detectable manual operation
- Supply voltage indicator (LED)
- LED status indicator and freewheeling diode per signal path (integrated in relay)

Key commercial data

Packing unit	1 pc
GTIN	4 046356 545105
Weight per Piece (excluding packing)	1148.0 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Note

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

Dimensions

Width	285 mm
Height	111 mm
Depth	64 mm

Ambient conditions

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

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Technical data

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.9 ... 1.1 (observe derating)
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	5 A
Min. switching current	100 mA
Interrupting rating (ohmic load) max.	120 W (24 V DC)
	62 W (48 V DC)
	42 W (60 V DC)
	55 W (110 V DC)
	66 W (220 V DC)
	1250 VA (250 V AC)

General

No. of channels	32
With components	Yes
Mechanical service life	5 x 10^6 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
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
Surge voltage category	III

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Technical data

Connection data for connection 1

Connection name	Coil side
Number of connections	1
Connection method	IDC/FLK pin strip (2.54 mm)
Number of positions	50

Connection data for connection 2

Connection name	Contact side
Number of connections	96
Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Screw thread	M3
Stripping length	8 mm

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

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

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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

Accessories

Accessories

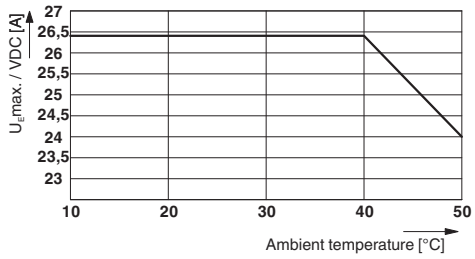
Single relay

Single relay - REL-MR- 24DC/21HC/MS - 2987888

Plug-in miniature relay, with power contact, 1 PDT, test button, mechanical switch position indicator, status LED, freewheeling diode, polarity A1+, A2-, input voltage 24 V DC

Drawings

Diagram



Derating curve for input voltage

Circuit diagram