

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

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16-channel VARIOFACE input relay module with screw connection and 50-pos. system connection, coil side is protected and non-isolated (optional), for Yokogawa SDV 144 cards, module width: 240 mm



Key commercial data

Packing unit	1
GTIN	 4 046356 612555
Custom tariff number	85369010

Technical data

Dimensions

Width	240 mm
Height	126 mm
Depth	80 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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Input data

Nominal input voltage U_N	24 V AC/DC (Supply, (P1+, P2+), pluggable fuse (IEC 60127-3/IV, 1AT))
Input voltage range in reference to U_N	0.9 ... 1.1
Typical input current at U_N	4 mA ($\pm 10\%$ per channel, pluggable fuse (IEC 60127-3/IV, 0.05AT))
Protective circuit/component	Damping diode
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Operating voltage display	Green LED
Status display/channel	Red LED (fuse failure display)

Output data

Contact type	1 N/O contact
Contact material	Ag alloy, hard gold-plated

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Technical data

Output data

Maximum switching voltage	30 V AC (36 V DC)
Limiting continuous current	50 mA
Maximum inrush current	1 A (Supply 24 V DC/2 A, (P1+, P2+), pluggable fuse (IEC 60127-3/IV, 2AT))

General

Mounting position	any
Designation	Air and creepage distances, input
Standards/regulations	EN 50178
Rated insulation voltage	150 V
Rated surge voltage	2.5 kV (basic insulation)
Pollution degree	2
Surge voltage category	II
Designation	Air and creepage distances, output
Standards/regulations	EN 50178
Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (basic insulation)
Pollution degree	2
Surge voltage category	II
Designation	Air and creepage distances, input/output
Standards/regulations	EN 50178
Rated insulation voltage	150 V
Rated surge voltage	4 kV (Reinforced insulation)
Pollution degree	3
Surge voltage category	III

Connection data for connection 1

Connection name	Supply
Connection method	Screw connection
Number of positions	6
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.34 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection data for connection 2

Connection name	Field level
Number of connections	2
Connection method	Screw connection
Number of positions	20
Conductor cross section solid min.	0.2 mm ²

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Technical data

Connection data for connection 2

Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Supported controller

Corresponding control	YOKOGAWA ProSafe-RS
Corresponding I/O card	SDV144

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	EC000196
ETIM 5.0	EC001437

UNSPSC

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

Accessories

Accessories

Fuse

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Fuse - VF-SI/TR5/2AT - 2900996



Plug-in fuse (TR5[®]), nominal current: 2 A, tripping characteristic: slow-blow (T), packing volume per unit: 8 pcs.

Fuse - VF-SI/TR5/1AT - 2901005



Plug-in fuse (TR5[®]), nominal current: 1 A, tripping characteristic: slow-blow (T), packing volume per unit: 8 pcs.

Fuse - VF-SI/TR5/0,05AT - 2900999



Plug-in fuse (TR5[®]), nominal current: 0.05 A, tripping characteristic: slow-blow (T), packing volume per unit: 8 pcs.

System cable

Cable - FLK 50-PA/EZ-DR/KS/ 100/YUC - 2900991



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 1.0 m.

Cable - FLK 50-PA/EZ-DR/KS/ 200/YUC - 2314299



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 2.0 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/KS/ 300/YUC - 2314309



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 3.0 m

Cable - FLK 50-PA/EZ-DR/KS/ 400/YUC - 2314312



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 4.0 m

Cable - FLK 50-PA/EZ-DR/KS/ 500/YUC - 2321499



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 5.0 m

Cable - FLK 50-PA/EZ-DR/KS/ 600/YUC - 2314927



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 6.0 m

Cable - FLK 50-PA/EZ-DR/KS/ 700/YUC - 2321509



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 7.0 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/KS/ 800/YUC - 2314930



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 8.0 m

Cable - FLK 50-PA/EZ-DR/KS/ 900/YUC - 2321512



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 9.0 m

Cable - FLK 50-PA/EZ-DR/KS/1000/YUC - 2314325



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 10.0 m

Cable - FLK 50-PA/EZ-DR/KS/1100/YUC - 2321389



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 11.0 m

Cable - FLK 50-PA/EZ-DR/KS/1200/YUC - 2321525



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 12.0 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/KS/1300/YUC - 2321392



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 13.0 m

Cable - FLK 50-PA/EZ-DR/KS/1400/YUC - 2321402



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 14.0 m

Cable - FLK 50-PA/EZ-DR/KS/1500/YUC - 2314338



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 15.0 m

Cable - FLK 50-PA/EZ-DR/KS/1600/YUC - 2321538



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 16.0 m

Cable - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 17.0 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/KS/1800/YUC - 2321554



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 18.0 m

Cable - FLK 50-PA/EZ-DR/KS/1900/YUC - 2321567



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 19.0 m

Cable - FLK 50-PA/EZ-DR/KS/2000/YUC - 2314503



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 20.0 m

Cable - FLK 50-PA/EZ-DR/KS/2500/YUC - 2314516



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 25.0 m

Cable - FLK 50-PA/EZ-DR/KS/3000/YUC - 2314529



Round cable set, with two 50-pos. molded socket strips (1:1 connection). Length of cable: 30.0 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/KS/5000/YUC - 2318981



Assembled round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 50.0 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 100/YUC - 2904739



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 1 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 200/YUC - 2904740



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 2 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 300/YUC - 2904741



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 3 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 400/YUC - 2904742



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 4 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/HF/KS/ 500/YUC - 2904636



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 5 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 600/YUC - 2904743



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 60 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 700/YUC - 2904744



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 7 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 800/YUC - 2904745



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 8 m

Cable - FLK 50-PA/EZ-DR/HF/KS/ 900/YUC - 2904746



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 9 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/HF/KS/1000/YUC - 2904637



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 10 m

Cable - FLK 50-PA/EZ-DR/HF/KS/1500/YUC - 2904638



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 15 m

Cable - FLK 50-PA/EZ-DR/HF/KS/2000/YUC - 2904487



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 20 m

Cable - FLK 50-PA/EZ-DR/HF/KS/2500/YUC - 2904639



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 25 m

Cable - FLK 50-PA/EZ-DR/HF/KS/3000/YUC - 2904640



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 30 m

Active module - UM-2KS50-RM/16MR/24/SDV144/SO - 2901585

Accessories

Cable - FLK 50-PA/EZ-DR/HF/KS/3500/YUC - 2904641



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 35 m

Cable - FLK 50-PA/EZ-DR/HF/KS/4000/YUC - 2904642



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 40 m

Cable - FLK 50-PA/EZ-DR/HF/KS/4500/YUC - 2904643



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 45 m

Cable - FLK 50-PA/EZ-DR/HF/KS/5000/YUC - 2904644



Assembled halogen-free round cable with two molded 50-pos. socket strips (1:1 connection). Cable length: 50 m
