

Type 9721/13-11-*4 and Type 9721/13-42-*4

The Converter Type 9721/13-11-*4 and the Switch unmanaged Type 9721/13-42-*4 are nonincendive apparatus as well as associated apparatus for installation in Non-hazardous Locations or Class I, Division 2, Group A-D or Class I, Zone 2, AEx/Ex nA, Group IIC Hazardous (Classified) Locations according to NEC or CEC as listed below. They provide optical intrinsically safe connections for field devices located in Class I, II, III, Division 1, Group A-G or Class I, Zone 0, [AEx/Ex op is] IIC or Zone 20, [AEx/Ex op is] IIIC Hazardous (Classified) Locations.



**Converter FXopis/TX SC
Type 9721/13-11-e4**

e = design of Ex op is port (FX)
1: MM = multimode
5: SM = singlemode

Power supply (VDC1)

Nominal voltage: 24 V DC
Voltage range: 12 ... 24 V DC
Nominal power consumption: < 2.5 W (24 V)

Safety data for the optical interface

Maximum radiated optical power: ≤ 15 mW



**Switch unmanaged FXopis/TX SC
Type 9721/13-42-e4**

e = design of Ex op is ports (FX)
1: MM = multimode (port 3-6)
5: SM = singlemode (port 3-6)
7: SMM = multimode (port 3-5) and singlemode (port 6)

Power supply (VDC1 or VDC2)

Nominal voltage: 24 V DC
Voltage range: 12 ... 30 V DC
Nominal power consumption: < 6.4 W (12 V)

Safety data for the optical interface

Maximum radiated optical power: ≤ 15 mW

Notes:

1. Installation should be in accordance with Article 504/505 of the National Electrical Code, ANSI/NFPA 70 and ANSI/ISA RP 12.06.01.
2. Installation in Canada should be in accordance with the Canadian Electrical Code, CSA C22.1, Part 1, Appendix F.
3. Use a general purpose enclosure meeting the requirements of IEC 61010-1 for use in Non-Hazardous or Class I, Division 2, Hazardous (Classified) Locations.
4. Use an FM Approved Dust-ignition proof enclosure appropriate for environmental protection in Class II, Division 1, Groups E, F, G and Class III or Zone 20 Hazardous (Classified) Locations.
5. The devices are to be mounted on a DIN rail. The converter is also suitable for wall mounting; vertical mounting on a DIN rail is possible by using the upright mounting clip.
6. Ambient temperature of the converter: -30 °C ... +75 °C (any mounting position)
Ambient temperature of the switch: -30 °C ... +70 °C (any mounting position)

WARNING: In Zone 2 / Division 2 do not separate PWR or RJ45-plug when energized.

AVERTISSEMENT: Dans la Zone 2 / Division 2, ne pas séparer la prise d'alimentation électrique ou RJ45 lorsque les appareils sont sous tension.

F 4830 503

			2017	Date	Name	Certification drawing Converter and Switch unmanaged Type 9721	Scale	none
			Drawn by	22.05.	Reistle		Sheet	1 of 1
			Checked		Kaiser		Agency	FM
			STAHL					
Version	Date	Name				9721 6 031 001 1		
						Rep. f.	Rep. t.	A4