

(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP02ATEX047X

(15) Description of the equipment or protective system: Rupture indicators and disks types : CV-RI, CV-S-RI, CV-CF-RI, CV-H-RI, CV-I-RI, CV-S-I-RI, SANI-V, SANI-V-S, ADV-RI, RI, MRI, BCH and BC2

Electrical parameters

$$U_i = 28.4 \text{ V} \quad I_i = 93 \text{ mA} \quad P_i = 0.67 \text{ W}$$

	Ci	Li
Material without extension cable	1 nF	2 μH
Material with 10 meters extension cable	1.3 nF	3.5 μH
Material with 25 meters extension cable	1.8 nF	5.6 μH

Eventual prescriptions : None.

(16) Report n° 02117

Composed in total of 24 pages, completed by the following documents :

Manuals:

- "Bursting Disc" n° : 8.1500.00.2 (2 pages)
- "Burst Disc Indicators (Breakwire Type)" n° : 8.1800.00.4 (2 pages)
- "Explosion Vent Type CV" n° : 8.3100.00.0 (4 pages)
- "Explosion Vent Accessories" n° : 8.3850.00.1
- "BurstCheck Line of Rupture Disc Burst Indicators" n° : D4038-3 100 (4 pages)

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The Drawings:

Number	Rev	Date	Pages	Description
299006		14.06.2002		Rupture Indicator Installation Instructions
690003		12.07.2002		Rupture Indicator on SANI-V Installation instructions
299090		20.06.2002		RI Assembly
29900122	B	28.05.2002		Elec RI Strip 124mm Kapton
29900123	B	29.05.2002		Elec RI Strip 159mm Kapton
29900124	B	29.05.2002		Elec RI Strip 194mm Kapton
29900125	B	29.05.2002		Elec RI Strip 229mm Kapton
29900126		18.06.2002		Fuse Solder Instruction on Elec RI Strip 124mm
29900127		18.06.2002		Fuse Solder Instruction on Elec RI Strip 159mm
29900128		18.06.2002		Fuse Solder Instruction on Elec RI Strip 194mm
29900129		18.06.2002		Fuse Solder Instruction on Elec RI Strip 229mm
270076	B	09.07.2002		RI Bracket Strengthened Explosion Vents
299500	D	10.04.2002		Holddown Protection Box Strengthened RI Bracket
299501	A	02.04.2002		Base Protection Box Strengthened RI Bracket
33900020	A	25.01.1991		RI-Retainer Tig Weld
339001	A	16.05.2000		Tooling New Retainer
299055	C	05.06.2002		MRI-3 (N.C.) GRI 2020-12WG Installation Instructions
299056	H	04.09.2002		Magnetic Rupture Indicator Assembly Instructions
299073	A	05.06.2002		MRI-3 (N.C.) CV-H Vents with FI Matress
299074	A	05.06.2002		MRI-3 (N.C.) GRI 2020-12WG DN600 PN10
230000	D	04.09.2002		Threaded Bushing MRI PG9
93700005		06.06.2002		Elec RI Cable Stripping Details
93700006		04.06.2002		Elec RI Cable 10 m
93700007		04.06.2002		Elec RI Cable 25 m
P00005	A	21.06.2002		Assembly AD-V-RI
P00012	A	19.06.2002		Assembly RI
P00061		11.07.2002		Assembly Procedure SEF RI
A5179-33	B	07.06.2002	1 de 2	Identification Tag BC2 (3 Dimensional)
D3287-X-X	J	09.06.1999		BCH Burst indicator - Thin Film, 1.50" thru 4" DN40&50
D3287-100-X	C	30.03.1999		Seal BCH, 1.50" thru 4" DN40&50
D3287-101-X	B	30.03.1999		Adhesive Ring BCH, 1.50" thru 4" DN40&50
D3287-102-X	F	09.06.1999		Ring and Circuit Assy BCH 1.50" thru 4" BCH DN40&50
D3287-103-X	H	09.06.1999		Circuit and Cable Assy BCH 1 1/2 thru 4 and DN40, DN50
D3287-104-X	E	19.06.2000		Indicator Circuit Assy BCH, 1.50" thru 4" and DN40, DN50
D3287-105	A	02.12.1997		Cable support BCH
D3287-106-X	C	30.03.1999		Ring Blank BCH, 1.50" thru 4" DN40&50
D3287-107-X	F	09.06.1999		BCH Sub-Assy 1.50" thru 4" DN40&50
D3513-1	A	21.11.2000		BC2 1/2" Multiple Flange Fitting
D3513-2	A	11.02.1999		BC2 3/4" Multiple Flange Fitting
D3513-3	N/C	25.08.1997		BC2 1" Multiple Flange Fitting
D3513-4	N/C	25.08.1997		BC2 1 1/2" Multiple Flange Fitting

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D3513-5	N/C	15.08.1997		BC2 2" Multiple Flange Fitting
D3513-6	N/C	26.08.1997		BC2 3" Multiple Flange Fitting
D3513-10	D	16.05.2002		BC2 4 thru 24 ANSI, JIS, PN
D3513-100	B	09.04.1999		BC2 Sub-Assy 1/2" Dia
D3513-101	B	11.09.1997		BC2 Sub-Assy 3/4" Dia
D3513-102	C	09.04.1999		BC2 Sub-Assy 1" Nom Dia B.T.
D3513-103	C	09.04.1999		BC2 Sub-Assy 1 1/2" Dia
D3513-104	E	09.04.1999		BC2 Sub-Assy 2 Nom Dia B.T.
D3513-105	C	01.04.1999		BC2 Sub-Assy 3 Dia
D3513-106	N/C	23.07.1997		Ring 1/2 Dia BC2
D3513-107	N/C	24.07.1997		Ring 3/4 Dia BC2
D3513-108	N/C	24.07.1997		Ring 1" Dia BC2
D3513-109	N/C	25.07.1997		Ring 1 1/2 Dia BC2
D3513-110	A	06.09.2000		Ring 2 Nom Dia BC2
D3513-111	N/C	28.07.1997		Ring 3 Nom Dia BC2
D3513-112-X	D	22.02.2002		Seal w/ Gasket 1" thru 3 BC2
D3513-113-X	D	19.04.2002		Circuit Assy 1/2 thru 3 BC2
D3513-114-X	N/C	29.07.1997		Gasket w/ Adhesive 1/2 thru 3 BI-TF-BT
D3513-115-X	B	24.02.1998		Cable Extension for BC2 and BC3
D3513-117	A	03.12.1998		Indicator Circuit Assy 4 thru 24 BC2
D3513-118-X	A	17.09.2001		Ring BC2 4" thru 24" ANSI, JIS, PN
D3513-119-X-X	A	08.03.2001	3	Gasket
D3513-120	N/C	05.08.1998		Cable Assy BCH 2 4" to 24"
D3513-121-X	C	16.05.2002		Teflon Strip BC2 4" to 24"
D3513-122-X	N/C	22.09.1998		BC2 Sub-Assy 4 thru 24 ANSI, JIS, DN
290069	B	04.09.2002		Rupture Indicator Label Issep (Ex II C) Vinyl
290068	-	04.09.2002		Rupture Indicator Label ISSeP (Ex II B) Vinyl

(17) Special conditions for safe use:

Symbol X

- The models CV-RI, CV-S-RI, CV-CF-RI, CV-H-RI, CV-I-RI, CV-S-I-RI, SANI-V and SANI-V-S are coded EEx ia II C T6.
- The models ADV-RI, RI, MRI, BCH and BC2 are coded EEx ia II B T6.
- The rupture disks models BCH and BC2 having a diameter greater than 2" don't answer to the clause 4.4 from the Standard EN 50284:1999. All precautions shall be taken during the use of these models in category 1 zones (zone 0).
- The junction box of the rupture indicators models CV and SANI shall be protected against all impacts or frictions which can ignite the explosive atmosphere.
- Ambient temperature range : - 40°C to + 65°C

(18) Essential Health and Safety Requirements: Covered by the Standards listed in (9).

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