



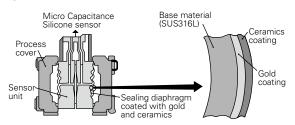
PRESSURE TRANSMITTER Hydroseal[®] Diaphragm Version

DATA SHEET

FEATURES

1. Unique hydroseal diaphragm

Permeation of hydrogen into the detecting unit through seal diaphragm can be suppressed thanks to the unique seal diaphragm (double coating) which employs coating of gold and ceramic.



2. High accuracy

 $\pm 0.15\%$ accuracy for all calibrated spans is the standard feature for pressure transmitter covering 50 to 10000kPa (or 0.5 to 100 kgf/cm²). Fuji's Micro-capacitance silicon sensor assures this feature.

3. Minimum environment influence

Fuji's patented "Advanced Floating Cell" design which protects the pressure sensor against changes in temperature and overpressure substantially reduces total measurement error in actual field applications.

4. Fuji/HART[®] bilingual communications protocol and FOUNDATION[™] fieldbus and Profibus[™] compatibility

FCX-AII series transmitter offers bilingual communications to speak both Fuji proprietary protocol and HART[®]. Any HART[®] compatible devices can communicate with FCX-AII. Further, by upgrading electronics FOUNDA-TION[™] fieldbus and Profibus[™] are also available.

5. Application flexibility

Various options that render the FCX-AII series suitable for almost any process applications include.

- Full range of hazardous location approvals
- 5-digit LCD meter with engineering unit
- Stainless steel electronics housing
- Built-in RFI filter and lightning arrester
- 6. Burnout current flexibility (Under Scale: 3.2 to 4.0mA, Over Scale: 20.0 to 21.6mA)

Burnout signal level is adjustable using Model FXW hand Held Communicator (HHC) to comply with NAMUR NE43.

7. Dry calibration without reference pressure Thanks to the best combination of unique construction of mechanical parts (Sensor unit) and high performance electronics circuit (Electronics unit), reliability of dry calibration without reference pressure is at equal level as wet calibration.



SPECIFICATIONS

Functional specifications

Service: Liquid, gas, or vapour Span, range and overrange limit:

	Static pressure		n limit (bar)		Range limit [kPa] (bar)	
Туре	[MPa] (kgf/cm ²)	Min.	Max.	Lower limit	Upper limit	lemit [MPa] (bar)
FKG □ 07	-0.1 to 0.5	50	500	-100	500	1.5
	(-1 to 5)	(0.5)	(5)	(-1)	(5)	(15)
FKG <u></u> 08	-0.1 to 3	300	3000	-100	3000	9
	(-1 to 30)	(3)	(30)	(-1)	(30)	(90)
FKG <u></u> 09	-0.1 to 10	1000	10000	-100	10000	15
	(-1 to 100)	(10)	(100)	(-1)	(100)	(150)

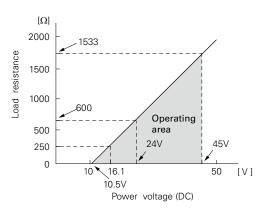
- Remark: To minimize environmental influence, span should be greater than 1/40 of the max. span in most applications.
- Lower range limit (vacuum limit) ;
 Silicone fill sensor: See Fig. 1
 Fluorinated fill sensor: 66kPa abs (500mmHg abs) at below 60°C
- Conversion factors to different units;
 - 1 MPa=10³ kPa=10bar=10.19716kgf/cm²=145.0377psi 1kPa=10mbar=101.9716mmH₂O=4.01463inH₂O

Output signal: 4 to 20mA DC with digital signal superimposed on the 4 to 20mA signal.

Power supply: Transmitter operates on 10.5V to 45V DC at transmitter terminals. 10.5V to 32V DC for the units with optional arrester.

FKG…5

Load limitations:see figure below



Note: For communication with HHC $^{(1)}$ (Model: FXW), min. of 250 Ω required.

Hazardous locations: (Under an application) See TABLE 2 Zero/span adjustment:

0.06 to 32 seconds. Zero elevation/suppression: Zero can be elevated or suppressed within the specified range limit of each sensor model. Normal/reverse action: Selectable from HHC ⁽¹⁾ . Indication: Analog indicator or 5-digit LCD meter, as specified.
Zero can be elevated or suppressed within the specified range limit of each sensor model. Normal/reverse action: Selectable from HHC ⁽¹⁾ . Indication: Analog indicator or 5-digit LCD meter, as
within the specified range limit of each sensor model. Normal/reverse action: Selectable from HHC ⁽¹⁾ . Indication: Analog indicator or 5-digit LCD meter, as
sensor model. Normal/reverse action: Selectable from HHC ⁽¹⁾ . Indication: Analog indicator or 5-digit LCD meter, as
Normal/reverse action: Selectable from HHC ⁽¹⁾ . Indication: Analog indicator or 5-digit LCD meter, as
Selectable from HHC(1).Indication:Analog indicator or 5-digit LCD meter, as
Indication: Analog indicator or 5-digit LCD meter, as
5
specified.
Burnout direction: Selectable from HHC ⁽¹⁾
If self-diagnostic detect transmitter fail-
ure, the analog signal will be driven to ei-
ther "Output Hold", "Output Overscale"
or "Output Underscale" modes.
"Output Hold":
Output signal is hold as the value just
before failure happens.
"Output Overscale":
Adjustable within the range 20.0mA to
21.6mA from HHC ⁽¹⁾
"Output Underscale":
Adjustable within the range 3.2mA to
4.0mA from HHC ⁽¹⁾
3.2 4 20 21.6 [mA]
Over scale
Burnout
Under scale Normal operating range Probable over range

Under scale / Normal operating range Probable over range Burnout Probable under range

Loop-check output:

Transmitter can be configured to provide constant signal 3.2mA through 21.6mA by HHC.

Temperature limit:

Ambient: -40 to +85°C

- (-20 to +80°C for LCD indicator)
- (-40 to +60°C for arrester option)
- (-10 to +60°C for fluorinated oil fill transmitter)

For explosionproof units (flameproof or intrinsic safety), ambient temperature must be within the limits specified by each standard.

- Process: -40 to +100°C for silicone fill sensor
 - -20 to +80°C for fluorinated oil fill sensor

Storage: -40 to +90°C

Humidity limit: 0 to 100% RH

- **Communication:** With HHC⁽¹⁾ (Model FXW, consult Data Sheet No. EDS8-47), following items can be remotely displayed or configured.
 - Note: HHC's version must be higher than 7.0 (or FXW ____1-_4), for FCX-AII.

Local configurator with LCD display (option):

Local configurator with 3 push button and LCD display can support following items.

items.				
Items	By commun with FX		By local co (with 3 pu	onfigurator sh button)
	Display	Set	Display	Set
Tag No.	V	V	v	V
Model No.	V	V	V	V
Serial No. & Software Version	V	—	V	_
Engineering unit	v	v	v	v
Range limit	v	_	v	_
Measuring range	v	v	v	v
Damping	v	v	v	V
Output mode	v	_	v	_
Burnout direction	v	v	v	v
Calibration	v	v	v	v
Output adjust	_	v	_	v
Data	v	_	v	_
Self diagnoses	v	_	v	_
Printer (In case of FXW with printer option)	v	—	_	_
External switch lock	v	V	v	V
Transmitter display	v	V	v	V
Linearize	v	V	—	_
Rerange	v	v	v	V
Saturate current	v	v	v	v
Write protect	v	v	V	V
History – Calibration history – Ambient temperature history	v v		v v	

EMC Conformity: EN61326-1: 2006 €

Performance specifications

Reference conditions, silicone oil fill, 316SS isolating diaphragms, 4 to 20mA analog output in linear mode.

Accuracy rating: (including linearity, hysteresis, and repeatability)

Stability: ±0.15% of upper range limit (URL) for 10 years.

Temperature effe	ect:
	Effects per 28°C change between the
	limits of –40°C and +85°C
	Zero shift: ±(0.1+0.075 $\frac{URL}{span}$)% /28°C
	Total effect: ±(0.125+0.075 URL span)%/28°C
Overrange effect	:Zero shift; 0.4% of URL for any overrange
	to maximum limit
Supply voltage e	effect:
	Less than 0.005% of calibrated span per 1V
RFI effect:	Less than 0.2% of URL for the frequen-
	cies of 20 to 1000MHz and field strength
	30 V/m when electronics covers on.
	(Classification: 2-abc: 0.2% span per
	SAMA PMC 33.1)
Update period:	60 msec
Step response:	Time constant: 0.08s
	Dead time: 0.12s
	(without electrical damping)
Mounting position	1 3
01	Zero shift, less than 0.1kPa {1m bar} for a
	10° tilt in any plane.
	No effect on span. This error can be cor-
	rected by adjusting Zero.
Dielectric streng	, , , ,
0	500V AC, 50/60Hz 1 min., between cir-
	cuit and earth.
Insulation resista	ance:
	More than 100M Ω at 500V DC.
Internal resistan	ce for external field indicator:
	12Ω or less

Physical specifications

Electrical connections:

G1/2, 1/2-14 NPT, Pg13.5, or M20 \times 1.5 conduit, as specified.

Process connections:

1/4-18 NPT or Rc1/4 on 54mm centers, as specified.

Meet DIN 19213 Process-wetted parts material:

		nonoa pa	to matorian		
	Material code		Wetted se		
		Process cover	cess cover Diaphragm		Vent/drain
	code		Diapinagin	parts	
	0	010 -+	0101	010 -+	010/0101 -+-:

316L stainless steel (*2) steel 316/316L stain-316 stainless steel (*1) less steel Notes: (*1) SCS14A per JIS G 5121 (equivalent CF8M per

ASTM A351/A351M) (*2) The diaphragm face is coated with gold and ce-

ramic. Remark: Sensor O-rings : Viton O-ring and teflon gasket selectable

Non-wetted parts material:

Electronics housing: Low copper die-cast aluminum alloy finished with epoxy/ polyurethane double coating (standard), or 316 stainless steel (SCS14A per JIS G5121), as specified.

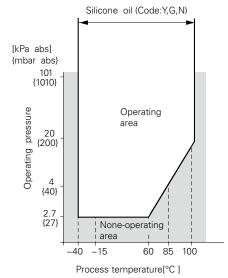
- Bolts and nuts: Cr-Mo alloy (standard), or 304 stainless steel.
- Fill fluid: Silicone oil (standard) or fluorinated oil
- Mounting bracket: 304 stainless steel Environmental protection:

IEC IP67 and NEMA 6/6P

Mounting:	On 60.5mm (JIS 50A) pipe using mount- ing bracket, direct wall mounting, or direct process mounting.
Mass {weight}:	Transmitter approximately 3.4kg without options. Add; 0.5kg for mounting bracket 4.5kg for stainless steel housing option
Optional fea	tures

Optional features

Indicator:	A plug-in analog indicator (2.5% accu-
	racy).
	An optional 5-digit LCD meter with engi-
	neering is also available.
Local configurato	or with LCD display:
0	An optional 5 digits LCD meter with 3
	push buttons can support items as using
	communication with FXW.
Arrester:	A built-in arrester protects the electronics
	from lightning surges.
	Lightning surge immunity : 4kV (1.2
	×50µs)
Oxygen service:	
exygen service.	throughout the process to maintain all
	process wetted parts oil-free.
	The fill fluid is fluorinated oil.
Chlorine service	The fill fluid is fluorinated oil.
Degreasing:	Process-wetted parts are cleaned, but
Degreasing.	the fill fluid is standard silicone oil. Not for
	use on oxygen or chlorine measurement.
NACE specificati	, 0
NACE specificati	Metallic materials for all pressure bound-
	ary parts comply with NACE MR-01-75.
	ASTM B7M or L7M bolts and 2HM nuts
	(Class II) are standard.
Vacuum aanviaau	
vacuum service:	Special silicone oil and filling procedure
	are applied.
	See Fig.1.
Optional tag plat	
	An extra stainless steel tag with customer
	tag data is wired to the transmitter.
Coating of cell:	Cell's surface is finished with epoxy/
	polyurethane double coating. Specify if



environment is extermely corrosive.

Fig. 1 Relation between process temperature and operating pressure

CODE SYMBOLS

D: :/	I		• .•		Nete				9 10	11 12 13 14 15 21 -	•
Digit 4	<connections></connections>	Descr	iption		Note	FKG	0	5 -	μļ	╀╜╹└┚╹└┨	of code
-	Process	Oval flange	Conduit	Case type							
	connection	screw	connection								
	Rc ¹ /4 1/4-18NPT	7/16-20UNF 7/16-20UNF	G ¹ /2 1/2-14NPT	T type T type		6					
	1/4-18NPT	M10	Pg13.5	T type							
	1/4-18NPT	M10	M20×1.5	T type		8					
	1/4-18NPT	7/16-20UNF	Pg13.5	T type		9					
	Rc ¹ /4	7/16-20UNF	G ¹ /2	L type		5					
	¹ /4-18NPT	7/16-20UNF	¹ /2-14NPT	L type		ר	1 1 1				
	¹ /4-18NPT	M10	Pg13.5	L type		1	1 1 1				
	1/4-18NPT	M10	M20×1.5	L type		V					
6	1/4-18NPT <span (kg<="" [kpa]="" td=""><td>7/16-20UNF</td><td>Pg13.5</td><td>L type</td><td></td><td>ľ</td><td></td><td></td><td></td><td></td><td></td>	7/16-20UNF	Pg13.5	L type		ľ					
	50 500						7				
	300 3000						8				
	1000 10000) (or 10100)					9				
7	<material></material>										
	Process	Wetted cell bo	dy	0.1							
	cover	Diaphragm	Stool (*1)	Other wetted parts	Nete 1			~			
9	<pre></pre> lndicator and a	eel 316 Stainless S arrester>		316 Stainless Steel	Note 1			<u> </u>	++		
5	Indicator			Arrester							
	None			None					А		
	Analog, 0 to 100)% linear scale		None					в		
	Analog, custom	scale		None					D		
	None	NO(1'		Yes					E		
	Analog, 0 to 100 Analog, custom			Yes Yes					F		
	Digital, 0 to 100			None					H.		
	Digital, custom			None					P		
	Digital, 0 to 100			Yes					Q		
	Digital, custom			Yes					S		
	Digital, 0 to 100								1		
		tor unit with LCD di	isplay)	None							
	Digital, custom	scale itor unit with LCD di	isnlav)	None					2		
	Digital, 0 to 100		ispidy/	None					4		
		tor unit with LCD di	isplay)	Yes							
	Digital, custom								5		
	-	tor unit with LCD d		Yes							
10		hazardous locations	\$>								
	None (for ordina	ary locations) of (Conduit seal) (*5)			Note 5				A B		
		of (Cable gland seal)			Note 5				C		
	TIIS, Intrisic safe		(0)						G		
		(or explosionproof) (*6)		Note 6				D		
		ety and nonincentiv							н		
		of flameproof and in	trisic safety (*)	5)	Note 6				V		
	ATEX Flamepro				Note 7				X		
	ATEX Intrisic sa ATEX Type n	iciy							P		
		d of flameproof and	intrinsic safety	/ (*7)	Note 7				м		
		Flameproof (*7)			Note 7				R		
	IECEx Scheme,	Intrisic safety							Т		
		of (or explosionproc			Note 8				E		
		ety and nonincentiv							J		
	NEPSI, Flamepr NEPSI, Intrisic s	oof (or explosionpre	001) (^6)		Note 6				⊦ S		
		ed of flameproof an	d intrisic safet	/ (*6)	Note 6				U		
11		d mounting bracket>								- <u> </u>	
		lounting bracket		Process connect	ion						
		lone		Standard	—					A	
		es, SUS304		Standard						с	
		es, SUS316		Standard						к	
		one		Standard						D	
		es, SUS304 es, SUS316		Standard Standard						F	
L	1 2.00	,		clandaru		I				-	

Note 1: (*1) The diaphram face is coated with gold and ceramic.

	1					11 12 13 1	415 2	1 🖛 Digit No.
Digit		Description		Note	FKG 0 5-	╷╷╷╴	┶╌┝	of code
12	<options></options>							
	Extra SS tag plate	Stainless steel elec. housing						
	None	None	None			Y :		
	Yes	None	None			В		
	None (*2)	None	Yes	Note 2		М	111	
	Yes	None	Yes			Ν		
	None	Yes (*9)	Yes	Note 9		P		
	Yes	Yes	Yes	Note 9		Q		_
13	<special an<="" applications="" td=""><td>d fill fluid></td><td></td><td></td><td></td><td></td><td></td><td></td></special>	d fill fluid>						
	Treatment Fi	ill fluid						
	Standard Si	ilicone oil				Y		
		luorinated oil				W		
	Degreasing Si	ilicone oil				G		
	Oxygen service FI	luorinated oil				A		
	NACE specification Si	ilicone oil (Not available for 15th	n digit code "A", "B")			N		
14	<sensor gasket="" o-ring=""></sensor>	>						
	Teflon (gasket)					В		
15	<bolt nut=""> (*4)</bolt>	V	ent Drain plug type	Note 4				
	Cr-Mo alloy hexagon socket I	head cap screw/carbon steel nut S	Standard				A	
	Cr-Mo alloy hexagon bol	lt/nut S	Standard				B C	
	NACE bolt/nut (ASTM A1	193 B7M/A194 2HM) S	Standard				C	
	NACE bolt/nut (ASTM A3	320 L7M/A194 2HM) S	Standard				D	
	304 stainless steel bolt/3	04 stainless steel nut S	Standard				EU	
	316 stainless steel bolt/3	16 stainless steel nut S	Standard				U	
21	<other options=""> (*3)</other>			Note 3			· · · · ·	1
	Instruction manual unatt	tached					L	
	Opposite Vent/Drain Plug	g Position Instruction man	ual attached				c	:
	Opposite Vent/Drain Plug	g Position Instruction man	ual unattached				F	د اد
L		-						-

Note2: (*2) Costomer tag number can be engraved on standartd stainless steel

name plate. If extra tag plate is required, select "Yes".

Note3: (*3) If other option is not necessary, 21st digit code is blank.

In case of 21st digit code is blank, instruction manual attached.

- Note4: (*4) In case of tropical use, select stainless bolts and nuts.
- Note5: (*5) Available for 4th digit code "5", "S".

Note6: (*6) Not available for 4th digit code "8", "W".

Note7: (*7) Available for 4th digit code "6", "8", "T", "W". Note8: (*8) Available for 4th digit code "6", "T".

Note9: (*9) Not available for 10th digit code "B", "C".

ACCESSORIES

Oval flanges: (Model FFP, refer to Data Sheet No. EDS6-128)

Converts process connection to 1/2-14 NPT or to Rc1/2; in carbon steel or in 316 stainless steel.

Hand-held communicator:

(Model FXW, refer to Data Sheet No. EDS8-47)

ORDERING INFORMATION

When ordering this instrument, specify.

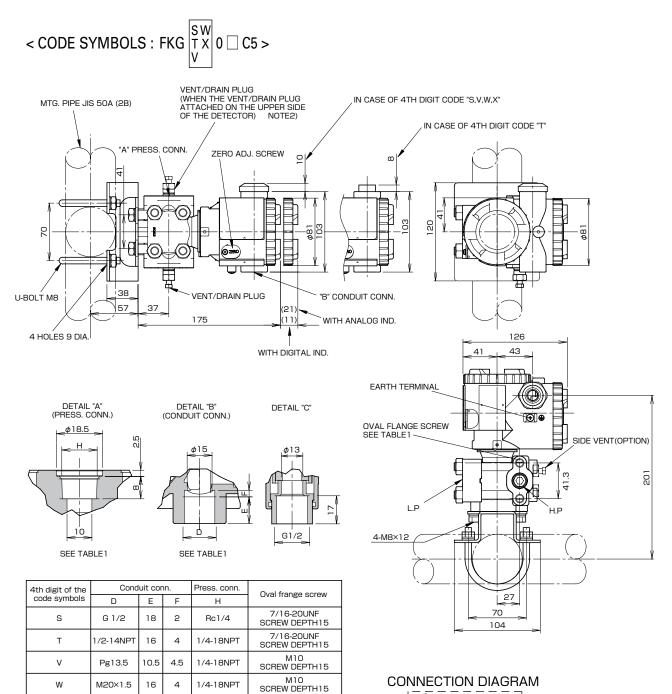
- 1. CODE SYMBOLS
- 2. Measuring range
- 3. Output orientation (burnout direction) when abnormality is occured in the transmitter.

Hold / Underscale / Overscale

Unless otherwise specified, output hold function is supplied.

- 4. Indication method (indicated value and unit) in case of the actual scale (code D,H,P,S on 9th digit).
- 5. Tag No. (up to 14 alphanumerical characters), if required.

OUTLINE DIAGRAM (Unit:mm)





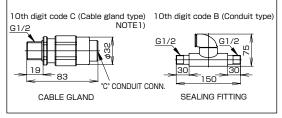
7/16-20UNF SCREW DEPTH15

/CK-CK+

OPTION PARTS FOR FLAMEPROOF OF TIIS (JAPAN)

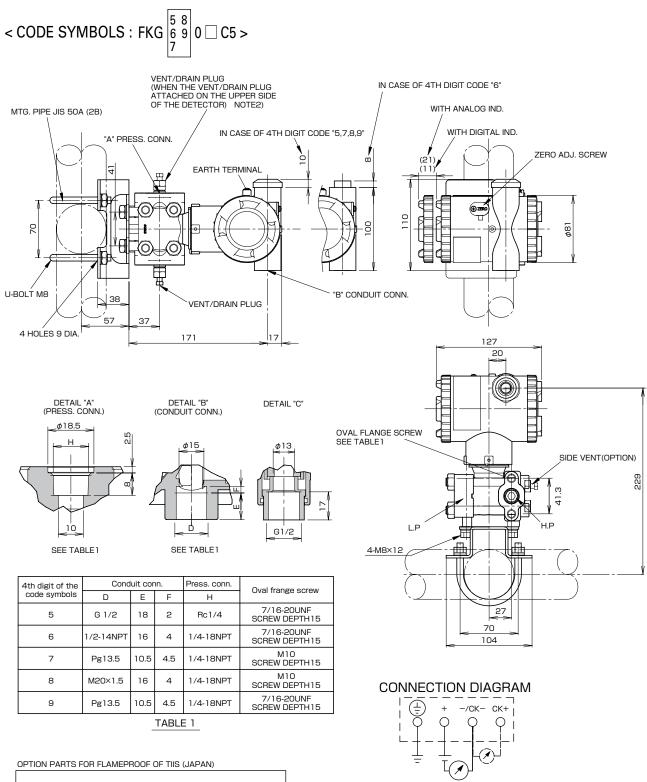
Pg13.5

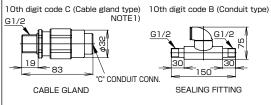
Х



10.5 4.5

NOTE1) IN CASE OF 10TH CODE "C", ϕ 11 CABLE IS SUITBLE. NOTE2) THE PRESSURE CONNECTOR IS LOCATED ON THE DOWN SIDE SURFACE OF THE DETECTOR, WHEN THE VENT/DRAIN PLUG IS ATTACHED ON THE UPPER SIDE OF THE DETECTOR (WHEN THE 21ST DIGIT OF THE CODE SYMBOLS : C, P).





NOTE1) IN CASE OF 10TH CODE "C", Ø11 CABLE IS SUITBLE. NOTE2) THE PRESSURE CONNECTOR IS LOCATED ON THE DOWN SIDE SURFACE OF THE DETECTOR, WHEN THE VENT/DRAIN PLUG IS ATTACHED ON THE UPPER SIDE OF THE DETECTOR (WHEN THE 21ST DIGIT OF THE CODE SYMBOLS : C, P).

FKG…5

TABLE 2

Authorities	Intrinsic safety						
ATEX	Ex II 1 G Ex ia IICT5 Tamb = -40° C to $+50^{\circ}$ C Ex ia IICT4 Tamb = -40° C to $+70^{\circ}$ C						
		rrester), Li=0.6mH	(Without analog indicator) (With analog indicator)				
Factory Mutual (pending)	Class I II III Div.1 Groups A, B T4 Entity Type 4X						
	Model code		Tamb				
	9th digit	13th digit					
	A,B,D	Y,G,N	-40°C to +85°C				
	L,P,1,2	Y,G,N	-20°C to +80°C				
	<u>0,S,4,5</u>	Y,G,N	-20°C to +60°C				
	E,F,H	Y,G,N	-40°C to +60°C				
	-	W,A	-10°C to +60°C				
	Entity Parameters: Vmax=42.4V, Imax=113mA, Pi=1W, Ci=35.98nF, Li=0.694mH						
CSA	Temp Code T4 T Entity Parameters: Vmax=28V, Imax=	C C F (Without Arrester), /ithout analog meter),					
TIIS	Ex ia IIC T4 Tamb max = +60° Entity Parameters: Ui=28V, Ii=94.3m. Ci=38.4nF, Li=0.6	A, Pi=0.66W,					
IECEx Scheme	Ex ia IIC T4 Tamb = -40°C to +70°C Ex ia IIC T5 Tamb = -40°C to +50°C Entity Parameters: Ui=28V, Ii=94.3mA, Pi=0.66W, Ci=26nF (Without Arrester), Li=0.6mH (Without analog indicator Ci=36nF (With Arrester), Li=0.7mH (With analog indicator						
Scheme	Entity Parameters: Ui=28V, Ii=94.3m, Ci=26nF (Without A	A, Pi=0.66VV, rrester), Li=0.6mH					
NEPSI	Entity Parameters: Ui=28V, Ii=94.3m. Ci=26nF (Without A Ci=36nF (With Arr Ex ia IIC T4 Ex d IIB+H ₂ T6 / Ex	A, Pi=0.66W, rrester), Li=0.6mH ester), Li=0.7mH ia IICT4					
	Entity Parameters: Ui=28V, Ii=94.3m. Ci=26nF (Without A Ci=36nF (With Arr Ex ia IICT4 Ex d IIB+H ₂ T6 / Ex <u>Model code</u>	A, Pi=0.66W, rrester), Li=0.6mH rester), Li=0.7mH ia IICT4					
	Entity Parameters: Ui=28V, Ii=94.3m. Ci=26nF (Without A Ci=36nF (With Arr Ex ia IIC T4 Ex d IIB+H2 T6 / Ex Model code 9th digit	A, Pi=0.66W, rrester), Li=0.6mH rester), Li=0.7mH ia IICT4	(With analog indicator)				
	Entity Parameters: Ui=28V, Ii=94.3m, Ci=26nF (Without A Ci=36nF (With Arr Ex ia IIC T4 Ex d IIB+H ₂ T6 / Ex <u>Model code</u> 9th digit A,B,D	A, Pi=0.66W, rrester), Li=0.6mH rester), Li=0.7mH ia IIC T4 13th digit Y,G,N	(With analog indicator) Tamb -40°C to +85°C				
	Entity Parameters: Ui=28V, Ii=94.3m. Ci=26nF (Without A Ci=36nF (With Arr Ex d IICT4 Ex d IIB+H ₂ T6 / Ex <u>Model code</u> 9th digit <u>A,B,D</u> L,P1,2	A, Pi=0.66W, rrester), Li=0.6mH ester), Li=0.7mH ia IIC T4 13th digit Y,G,N Y,G,N	Tamb -40°C to +85°C -20°C to ±80°C				
	$ \begin{array}{l} \mbox{Entity Parameters:} \\ \mbox{Ui=28V, Ii=94.3m,} \\ \mbox{Ci=26nF} (Without A Ci=36nF (With Arr Ci=36nF (With$	A, Pi=0.66W, rrester), Li=0.6mH rester), Li=0.7mH ia IIC T4 13th digit Y,G,N Y,G,N Y,G,N	Tamb -40°C to +85°C -20°C to +80°C -20°C to +60°C				
	Entity Parameters: Ui=28V, Ii=94.3m. Ci=26nF (Without A Ci=36nF (With Arr Ex d IICT4 Ex d IIB+H ₂ T6 / Ex <u>Model code</u> 9th digit <u>A,B,D</u> L,P1,2	A, Pi=0.66W, rrester), Li=0.6mH ester), Li=0.7mH ia IIC T4 <u>Y,G,N</u> <u>Y,G,N</u> <u>Y,G,N</u> <u>Y,G,N</u>	Tamb -40°C to +85°C -20°C to +80°C -20°C to +60°C -40°C to +60°C				
	$ \begin{array}{l} \mbox{Entity Parameters:} \\ \mbox{Ui=28V, Ii=94.3m,} \\ \mbox{Ci=26nF} (Without A Ci=36nF (With Arr Ci=36nF (With$	A, Pi=0.66W, rrester), Li=0.6mH rester), Li=0.7mH ia IIC T4 13th digit Y,G,N Y,G,N Y,G,N	Tamb -40°C to +85°C -20°C to +80°C -20°C to +60°C				

Authorities	Flameproof							
ATEX	Ex II 2 GD Ex d IICT6 IP66/67 T85°C Tamb = -40°C to +65°C Ex d IICT5 IP66/67 T100°C Tamb = -40°C to +85°C							
Factory Mutual	Class I Div.1 Groups B, C, D T6 Type 4X Class II III Div.1 Groups E, F, G T6 Type 4X Tamb max = +60°C							
CSA	Class I Div.1 Groups C, D Class II Div.1 Groups E, F, G Class III Div.1							
TIIS	Note) "Seal Not Required" enclosure is allowed. Ex do IIB+H ₂ T4 Tamb max = +60°C Maximum process temp. = +120°C							
IECEx Scheme	Ex d IIC T5 IP66/67 Tamb = -40°C to +85°C Ex d IIC T6 IP66/67 Tamb = -40°C to +65°C							
NEPSI	Ex d IIB+H ₂ T6 Tamb = -40° C to $+60^{\circ}$ C							
Authorities	Type n Nonincendive							
ATEX	Ex II 3 GD Ex II 3 GD EEx nL IICT5 Tamb = -40° C to $+50^{\circ}$ C EEx nL IICT4 Tamb = -40° C to $+70^{\circ}$ C Specific Parameters: Ui=42.4V, Ii=113mA, Pi=1W, Ci=25.18nF, Li=0.694mH Model with arrester: Ui=32V, Ii=113mA, Pi=1W, Ci=35.98nF, Li=0.694mH EEx nAL IICT5 Tamb = -40° C to $+50^{\circ}$ C EEx nAL IICT5 Tamb = -40° C to $+70^{\circ}$ C Specific Parameters: Model without arrester: Umax=42.4V, Imax=113mA, Pmax=1W							
Factory Mutual	Model with arrester: Umax=32V, Imax=113mA, Pmax=1W Class I II III Div.2 Groups A, B, C, D, F, G							
(pending)	T4 Entity Type 4X Model code Tamb 9th digit 13th digit A,B,D Y,G,N -40°C to +85°C L,P1,2 Y,G,N -20°C to +80°C Q,S,4,5 Y,G,N -20°C to +60°C E,F,H Y,G,N -40°C to +60°C - W,A -10°C to +60°C							
CSA	Class I Div.2 Groups A, B, C, D Class II Div.2 Groups E, F, G Class III Div.2 Temp Code T5 Tamb max = +50°C Temp Code T4 Tamb max = +70°C Entity Parameters: Vmax=28V, Ci=25.18nF (Without Arrester), Ci=35.98nF (With Arrester), Li=0.694mH							

▲ Caution on Safety

*Before using this product, be sure to read its instruction manual in advance.

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Sales Group

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