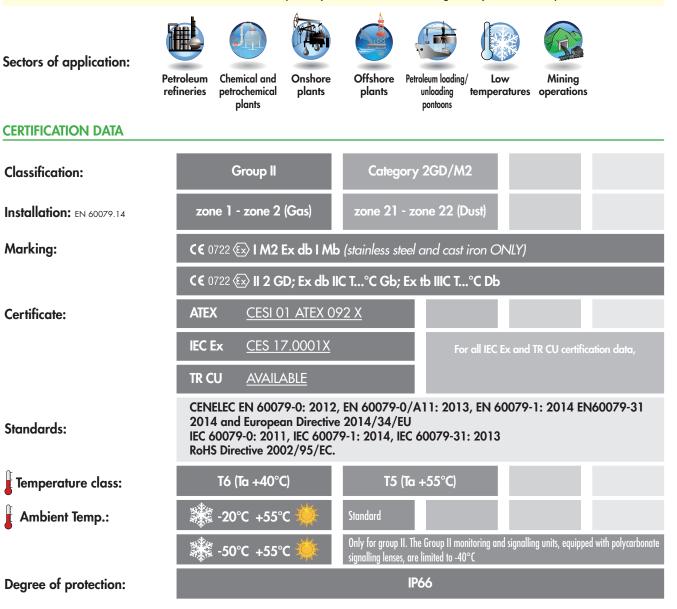
The <u>Ex d IIC</u> stations and controllers are suitable for the control and signalling of devices installed both "onboard" the machine and remotely (e.g. on a field control column). They are easily installed using wall mount lugs and have threaded entries for connection by means of a cable gland or metal pipe.

Used specifically in offshore and onshore environments, the chemical, petrochemical and pharmaceutical industries, and all locations which require an explosion proof system.

The switches, circuit breakers and selectors which make up the CSC series are 16 A rotary type with a front control handle. Supplied with 1" Male to 3/4" Female reducer. They are recommended for controlling devices both on board machine and on wall mounted columns. The various available cable arrangements make devices in the CSC series versatile for any type of use.

U labels its products with a non-removable adhesive label featuring a hologram and an alphanumerical univocal code, as a safety measure against the illegal sale of fakes so that all the products are guaranteed as original. Non-compliance with the International standards entails serious risks for the environment, especially for those working daily on the plants.







EXPLODED VIEW

ЕX О



DESCRIPTION

The switches, circuit breakers and selectors which make up the CSC series are 16 A rotary type with a front control handle. Supplied with $1^{"}$ Male to $3/4^{"}$ Female reducer

MECHANICAL FEATURES

Body and lid: Gaskets:	Low copper content aluminium alloy, complete with wall fastening lugs. Acid, hydrocarbon and high temperature resistant silicon positioned between the body and the cover
Control lever:	Coated aluminium alloy
Certification label:	Adhesive affixed to external surface
Badge:	Anodised aluminium, white lettering on black background
Internal bushing and pin:	Stainless steel
Control lever:	Aluminium alloy
Screws:	Stainless steel
Earth screw:	Internal M5 on body and lid connected by a 2.5 mm ² wire
Coating:	Polyester RAL 7035 (Light grey)
Threaded entries:	One upper and one lower \emptyset 1" complete with Male 1"- Female 3/4" adapter
Resistenza alla corrosione :	The STANDARD of the aluminium alloy used by manufacturer has passed the tests required by standards EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

ELECTRICAL FEATURES

Switches: 16A

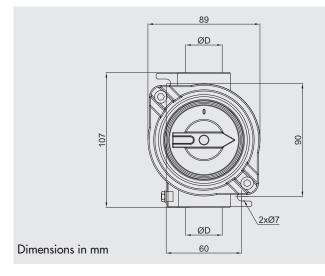
16A, 690 V

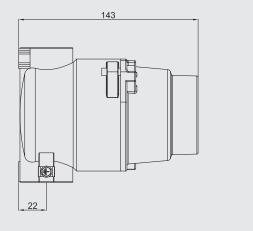
ACCESSORIES UPON REQUEST / SPECIAL REQUESTS

RAL 2004 (Pure orange) internal anti-condensation coating External polyester coatings in various colours (specify RAL colour) Stainless steel version (sample code CSC-216**IN**) Cast iron version (sample code CSC-216**GJ**) Cablegland / fittings



DIMENSIONAL DRAWING





SELECTION TABLE

Illustration	Entry ØD (*)	Description	Badge	Arrangement	Capacity	Poles	Weight Kg	Code
	1″ ISO 7/1	Switch with 2 fixed positions '0-1'		$21 \int \frac{1}{\sqrt{2}} \frac{3}{\sqrt{2}} \frac{3}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{3}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}$	16 A	2	0.95 -	CSC-216
	1″ NPT							CSC-216N
	1″ ISO 7/1	Switch with 2 fixed			16 A	3	0.86 -	CSC-316
	1″ NPT	positions '0-1'		POS. CONTACT 1-2 3-4 5-6 0 0 0 0 1 X X X				CSC-316N
	1″ ISO 7/1	Switch with 2 fixed positions '0-1'			16 A	4	0.85 -	CSC-416
5	1″ NPT			Pos. CONTACT 1:2 34 5-6 7-8 0 0 0 0 0 1 X X X X				CSC-416N
	1″ ISO 7/1	Switch with 3 fixed positions '1-0-2'		$\begin{bmatrix} - & - & - & - & - \\ - & - & - & - & - &$	16 A	2	0.89	CSCC-216
	1″ NPT			POS. CONTACT 1 1/2 3/4 6/8 7/8 1 X 0 X 0 0 0 0 0 0 2 0 X 0 X			0.07	CSCC-216N
	1″ ISO 7/1	Switch with 3 fixed positions '1-2'			16 A	2	0.90	CSCD-216
	1″ NPT			POS. CONTACT 1-2 3.4 1 X 0 2 O X			0.89	CSCD-216N
	1″ ISO 7/1	Inverter with 3 fixed positions '1-0-2'			16 A	2		CSCI-216
	1″ NPT			2 4 6 8 POSITION CONTACT 1 0 X 10 0 0 0 0 0 2 X 0 0 X			0.89	CSCI-216N

* Supplied with 1" Male to 3/4" Female reducer



ED.2019



EXPLODED VIEW

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The switches, circuit breakers and selectors which make up the EFSCO series are 25, 32, 40 and 63 A rotary type with a front control handle.

MECHANICAL FEATURES

Body and lid: Gaskets:	Low copper content aluminium alloy, complete with wall fastening lugs. Acid, hydrocarbon and high temperature resistant silicon positioned between the body and the cover
Control lever:	Coated aluminium alloy
Certification label:	Adhesive affixed to external surface
Badge:	Anodised aluminium, white lettering on black background
Internal bushing and pin:	Stainless steel
Screws:	Stainless steel
Earth screw:	Internal M5 on body and lid connected by a 2.5 mm ² wire
Coating:	Polyester RAL 7035 (Light grey)
Resistenza alla corrosione :	The STANDARD of the aluminium alloy used by manufacturer has passed the tests required by standards EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

ELECTRICAL FEATURES

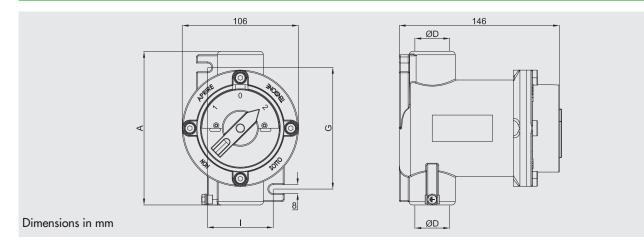
Switches:

25 A to 63 A, 690 V

ACCESSORIES UPON REQUEST / SPECIAL REQUESTS

RAL 2004 (Pure orange) internal anti-condensation coating External polyester coatings in various colours (specify RAL colour) Stainless steel version (sample code EFSCO-266**IN**) Cablegland / fittings

DIMENSIONAL DRAWING



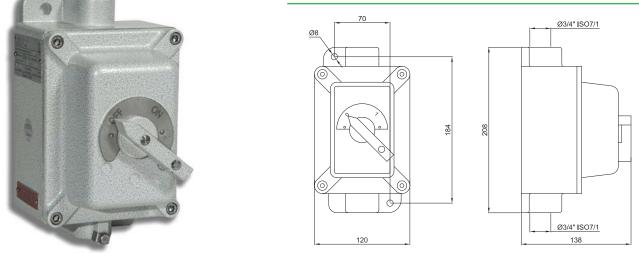
CODE SELECTION TABLE

Illustration	Entry D ISO7/1	A	G	T	Description	Arrangement	Capacity	Poles	Weight Kg	Code
]″	140	110	60	Switch with 2 fixed	$2 = \begin{bmatrix} 1 & 3 \\ - & - & - \\ 2 & - & - \\ 2 & - & - \\ - & - & - \\ 2 & - & - \\ - & - & - \\ - & - & - \\ 2 & - & - \\ - & - & - \\ - & - & - \\ - & - &$	25 A	2	1.14	EFSCO-22
]″	140	110	60			32 A	2	1.20	EFSCO-32
]″	140	110	60	positions 'O-1'		40 A	2	1.35	EFSCO-42
	1 1/2″	160	120	80		$\begin{array}{c cccc} & 1-2 & 3-4 \\ \hline 0 & 0 & 0 \\ \hline 1 & X & X \end{array}$	63 A	2	1.35	EFSCO-62
	1″	140	110	60	_		25 A	3	1.14	EFSCO-23
]″	140	110	60	Switch with 2 fixed		32 A	3	1.20	EFSCO-33
]″	140	110	60	positions '0-1'		40 A	3	1.35	EFSCO-43
	1 1/2″	160	120	80		POS. CONTACT 1-2 3-4 5-6 0 0 0 0 1 X X X	63 A	3	1.40	EFSCO-63
	1″	140	110	60			25 A	4	1.18	EFSCO-24
]″	140	110	60	- Switch with 2 fixed		32 A	4	1.20	EFSCO-34
]″	140	110	60	positions '0-1'	2 4 6 8 POS. CONTACT 1-2 3-4 5-6 7-8 0 0 0 0 0 0 1 x x x x x	40 A	4	1.35	EFSCO-44
	1 1/2″	160	120	80	-		63 A	4	1.40	EFSCO-64
]″	140	110	60			25 A	1	1.20	EFSCO-26
]″	140	110	60	-	1Z = 2 = 4 $2 = 4$ $2 = 4$ $2 = 4$ $2 = 4$ $2 = 4$ $2 = 4$ $3 = 4$ $3 = 4$	32 A	1	1.18	EFSCO-36
]″	140	110	60			40 A	1	1.20	EFSCO-46
]″	140	110	60	Circuit breaker with 2		63 A	1	1.40	EFSCO-66
]″	140	110	60	fixed positions '1-2'		25 A	2	1.18	EFSCO-266
]″	140	110	60			32 A	2	1.18	EFSCO-366
	1 1/2″	160	120	80		POS. CONTACT 1-2 3-4 5-6 7-8 0 X 0 X 0 1 O X 0 X	40 A	2	1.20	EFSCO-466
]″	140	110	60	- - Switch with 3 fixed positions '1-0-2'		25 A	1	1.14	EFSCO-242
]″	140	110	60			32 A	1	1.18	EFSCO-342
]″	140	110	60		POS. CONTACT 1-2 3-4 1 X 0	40 A	1	1.18	EFSCO-442
]″	140	110	60			63 A	1	1.40	EFSCO-642
]″	140	110	60		$ = \begin{bmatrix} -1 & -1 & -1 \\ -2c & -2c & -1 \\ -2c & -2c & -2c \\$	25 A	2	1.14	EFSCO-244
]″	140	110	60			32 A	2	1.18	EFSCO-344
	1 1/2″	160	120	80		POS. CONTACT 1-2 3-4 5-6 7.8 1 X O X O 0 O O O O 2 O X O X	40 A	2	1.18	EFSCO-444

EFD3 Series... Breakers



DIMENSIONAL DRAWING



DESCRIPTION

EFD3 series three pole, magnetothermic breakers are used for control (start - stop) and protection of three-phase motors. Circuit breaker with adjustable magnetothermic protection and external control handle.

MECHANICAL FEATURES

Body and lid:	Rectangular casing constructed from low copper content aluminium alloy, complete with wall fastening
	lugs.
Gaskets:	Acid, hydrocarbon and high temperature resistant silicon positioned between the body and the cover
Control levers:	Coated aluminium alloy
ON - OFF plate:	Stainless steel
Certification label:	Adhesive affixed to external surface
Screws:	Stainless steel
Earth screw:	Internal M5 on body and lid connected to each other with a 2.5 mm ² wire
Coating:	Polyester RAL 7035 (Light grey)
Threaded entries:	One upper and one lower $Ø 3/4''$

Resistenza alla corrosione

The STANDARD of the aluminium alloy used by manufacturer has passed the tests required by standards EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

CODE SELECTION TABLE

Illustration	Rated current (A)	Temperature range (A)	Weight Kg	Codes
	0.25	0.16 0.25	2.25	EFD3-02
	0.40	0.25 0.40	2.25	EFD3-04
	0.60	0.40 0.60	2.52	EFD3-06
	1.00	0.60 1.00	2.52	EFD3-10
	1.60	1.00 1.60	2.52	EFD3-16
	2.50	1.60 2.50	2.52	EFD3-25
	4.00	2.50 4.00	2.52	EFD3-40
	6.00	4.00 6.00	2.52	EFD3-63
	10.00	6.00 10.00	2.52	EFD3-100
	16.00	10.00 16.00	2.52	EFD3-160
	20.00	16.00 20.00	2.52	EFD3-200
	25.00	20.00 25.00	2.52	EFD3-250