



# EFD.4 SERIES

# SPRING CLAMP TERMINAL BLOCKS WITH 2 LEVELS AND PUSH-IN TECHNOLOGY



- Reduced wiring time
- Wire release button

**Ex** IMQ 18 ATEX 007U  
I M2 Ex eb I Mb  
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U  
Ex eb I Mb  
Ex eb IIC Gb

(1) See chapter accessories for more details



<b>GREY VERSION</b>	<b>CODE TYPE</b>	<b>EFD400GR</b> EFD.4/GR	<b>EFD410GR</b> EFD.4/CI/GR	<b>EFD420GR</b> EFD.4/E/GR
<b>BLUE VERSION</b>	<b>CODE TYPE</b>	<b>EFD400BL</b> EFD.4/BL	<b>EFD410BL</b> EFD.4/CI/BL	

## TECHNICAL CHARACTERISTICS

Function/type		2 levels	2 levels and internal connection	2 levels (Feed-through + terra)
<b>Rated cross-section</b>	(mm <sup>2</sup> )	4	4	4
<b>Connecting capacity</b>	Flexible (mm <sup>2</sup> )	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
	Rigid (mm <sup>2</sup> )	0,2 ÷ 6	0,2 ÷ 6	0,2 ÷ 6
	Max.flexible with ferrule - ferrule type (mm <sup>2</sup> )	4 - WP40/16	4 - WP40/16	4 - WP40/16
<b>Electrical characteristics According to European standard IEC EN 60947-7-1</b>	Max AC/DC Voltage (V)	800	800	800
	Max current with rated cross-section (A)	29	29	29
	Section Caliber	A4	A4	A4
<b>Electrical characteristics According to UL</b>	Max AC/DC Voltage (V)	600	600	600
	Max current with rated cross-section (A)	30	30	30
	Section Min-Max (AWG)	24-10	24-10	24-10
<b>Electrical characteristics According to ATEX directive and IEC ex standard</b>	Max AC/DC Voltage (V)	500	500	500
	Max current with rated cross-section (A)	25	25	25
	Operating temperature (°C)	-40 +110	-40 +110	-40 +110
<b>Rated impulse withstand voltage/pollution degree</b>		6kV / 3	6kV / 3	6kV / 3
<b>Insulation stripping length</b>	(mm)	10	10	10
<b>Width</b>	(mm)	6.2	6.2	6.2
<b>Length</b>	(mm)	81.7	81.7	81.7
<b>Height mounted on TH35/7,5</b>	(mm)	57.7	57.7	57.7
<b>Height mounted on TH35/15</b>	(mm)	65.2	65.2	65.2
<b>Insulation material temperature index (EN 60216-1)</b>	(°C)	130	130	130
<b>Plastic material</b>		polyamide UL94V-0	polyamide UL94V-0	polyamide UL94V-0

## APPROVALS



ACCESSORIES				
<b>End section</b>	Grey	EFD.4/PT/GR (cod. EFD401GR)	EFD.4/PT/GR (cod. EFD401GR)	EFD.4/PT/GR (cod. EFD401GR)
	Blue	EFD.4/PT/BL (cod. EFD401BL)	EFD.4/PT/BL (cod. EFD401BL)	EFD.4/PT/BL (cod. EFD401BL)
<b>Cross connection</b>	Thickness (mm)	1.5	1.5	1.5
	(1) Rated current / Rated current ATEX applications (A)	EFB.4/.../... (cod. EFB04...) 29 / 25	EFB.4/.../... (cod. EFB04...) 29 / 25	EFB.4/.../... (cod. EFB04...) 29 / 25
<b>Coloured partition</b>	red	DfE.2P/R (cod. DfE04R)	DfE.2P/R (cod. DfE04R)	DfE.2P/R (cod. DfE04R)
<b>105mm adhesive numbering strip</b>		-	-	-
<b>105mm snap numbering strip</b>		-	-	-
<b>Single marking tag</b>		CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)
<b>Single marking tag for pitch insert</b>		CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)
<b>End bracket</b>	Screw TH35	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)



# EFDE SERIES

# SPRING CLAMP TERMINAL BLOCKS WITH 2 LEVELS, EARTH CONNECTION AND PUSH-IN TECHNOLOGY



- Reduced wiring time
- Wire release button

NEW



IMQ 18 ATEX 007U  
I M2 Ex eb I Mb  
II 2G Ex eb IIC Gb

IECEx IMQ 18.0002U  
Ex eb I Mb  
Ex eb IIC Gb

(1) See chapter accessories for more details

YELLOW/GREEN VERSION	CODE TYPE	EFDE100	EFDE200	EFDE400
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## TECHNICAL CHARACTERISTICS

Function/type	2 levels earth terminal blocks	2 levels earth terminal blocks	2 levels earth terminal blocks		
Rated cross-section	[mm <sup>2</sup> ]	1,5	2,5	4	
Connecting capacity	Flexible	[mm <sup>2</sup> ]	0,2 ÷ 1,5	0,2 ÷ 4	0,2 ÷ 6
	Rigid	[mm <sup>2</sup> ]	0,2 ÷ 1,5	0,2 ÷ 4	0,2 ÷ 6
	Max.flexible with ferrule - ferrule type	[mm <sup>2</sup> ]	1,5 - WP15/14	2,5 - WP25/19	4 - WP40/16
Electrical characteristics According to European standard IEC EN 60947-7-2	Max AC/DC Voltage	[V]	-	-	-
	Max current with rated cross-section	[A]	-	-	-
Electrical characteristics According to UL	Section	Caliber	A1 - B1	A3	A4
	Max AC/DC Voltage	[V]	-	-	-
	Max current with rated cross-section	[A]	-	-	-
Electrical characteristics According to ATEX directive and IEC ex standard	Section Min-Max	[AWG]	26 - 14	24-12	24-10
	Max AC/DC Voltage	[V]	-	-	-
Rated impulse withstand voltage/pollution degree	Max current with rated cross-section	[A]	-	18	25
	Operating temperature	[°C]	-40 +110	-40+110	-40+110
Insulation stripping length	[mm]	8	9	10	
Width	[mm]	3,5	5,2	6,2	
Length	[mm]	81	71,6	81,7	
Height mounted on TH35/7,5	[mm]	50	53,8	57,7	
Height mounted on TH35/15	[mm]	57,5	61,3	65,2	
Insulation material temperature index (EN 60216-1)	[°C]	130	130	130	
Plastic material		Polyamide UL94 V-0	polyamide UL94V-0	polyamide UL94V-0	

## APPROVALS

### ACCESSORIES

End section	Grey	EFD.1/PT/GR (cod. EFD101GR)	EFD.2/PT/GR (cod. EFD201GR)	EFD.4/PT/GR (cod. EFD401GR)
	Blue	EFD.1/PT/BL (cod. EFD101BL)	EFD.2/PT/BL (cod. EFD201BL)	EFD.4/PT/BL (cod. EFD401BL)
	Thickness	[mm]	1,5	1,5
Cross connection	(1)	EFB.1/.../... (cod. EFB01...)	EFB.2/.../... (cod. EFB02...)	EFB.4/.../... (cod. EFB04...)
	Rated current / Rated current ATEX applications	[A]	17,5	22 / 18
Coloured partition	red	DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)	DFE.2P/R (cod. DFE04R)
105mm adhesive numbering strip		TMM102105AW (cod. TMM102105AW)	-	-
105mm snap numbering strip		TMM102105W (cod. TMM102105W)	-	-
Single marking tag		CNU/8/35 (cod. NU0835S)	CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)
Single marking tag for pitch insert		CNU/10/35 (cod. NU1035S)	CNU/10/51 (cod. NU1051S)	CNU/10/51 (cod. NU1051S)
End bracket	Screw TH35	BT/3 (cod. BT003)	BT/3 (cod. BT003)	BT/3 (cod. BT003)
	Snap-fit TH35	BTO (cod. BT007)	BTO (cod. BT007)	BTO (cod. BT007)