ETS 10 - CALHAS DE CLIPAGEM DIRETA L45

ETS 10 - CANALES DE CLIPAJE DIRECTO L45

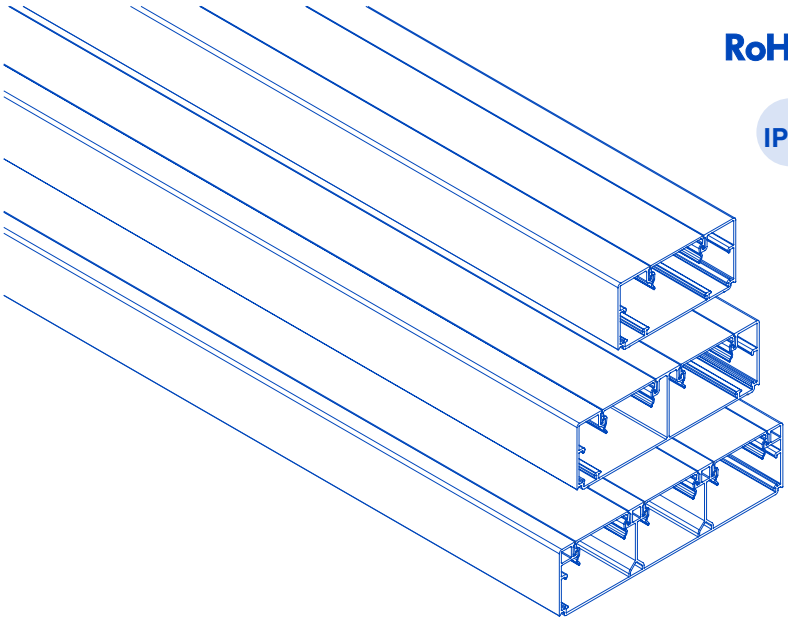
SNAP-ON TRUNKINGS L45 - ETS 10

ETS 10 - GOULOTTES CLIP DIRECT L45

ETS 10 - KABELKANÄLE SNAP-IN

СЕРИЯ 10 - КОРОБ БЕЛЫЙ

100x50; 155x50; 190x50



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IP44

Folheto Informativo n.º 28/2024 (**290 347**)

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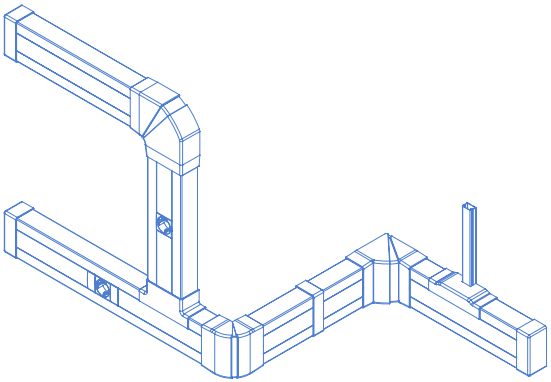

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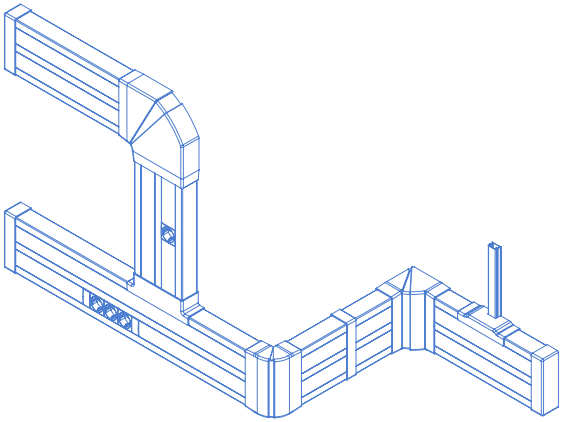

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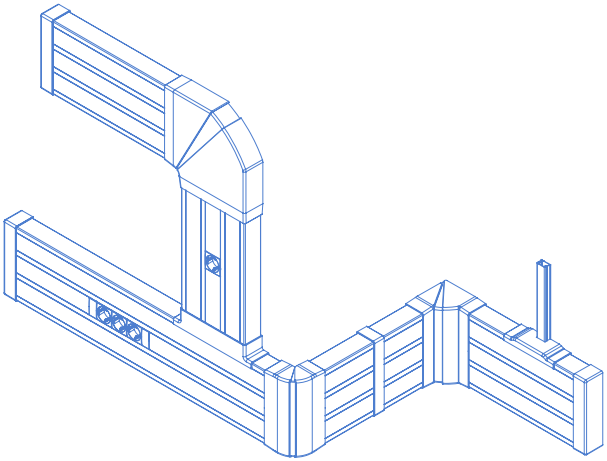

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REF.	(mm)	IK
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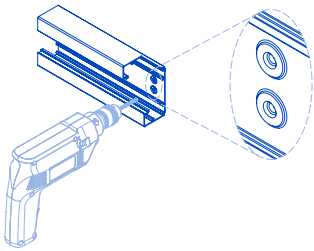
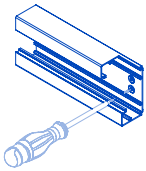
11030 CBR	155x50	08
11040 CBR	190x50	08
ACESSÓRIOS | ACCESORIOS | ACCESSORIES | ACCESSOIRES | ZUBEHÖR | АКСЕССУАРАМИ	–	07

REF. 11020 CBR | 11030 CBR | 11040 CBR

CALHA PRÉ-PUNCIONADA | CANAL PRE AGUJEREADO | PRE-PUNCHED TRUNKING | GOULOTTE PRÉ-PERFORÉE | VORGESTANZTER KANAL | КОРОБ С РАЗМЕТКОЙ ДЛЯ ОТВЕРСТИЙ





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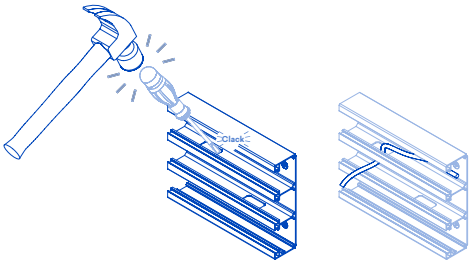
ABERTURA DE DIVISÓRIA | APERTURA DE DIVISIÓN | DIVIDER OPENING | OVERTURE DE SÉPARATEUR | UNTERTEILUNG ÖFFNUNG | ОТКРЫТЬ РАЗДЕЛИТЕЛЬ



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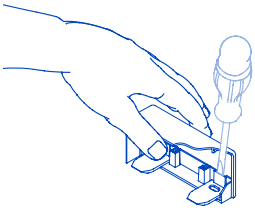
DESMONTAGEM | DESMONTAJE | DISASSEMBLING | DÉMONTAGE | DEMONTAGE | РАЗБОРКА



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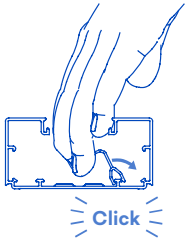

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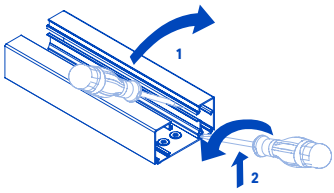

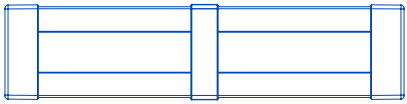

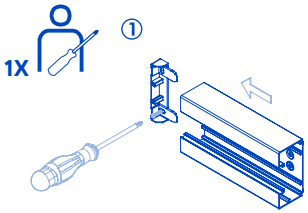
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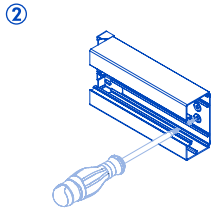
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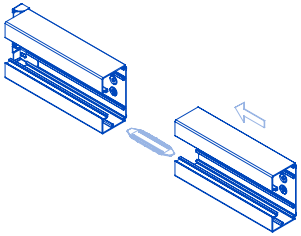
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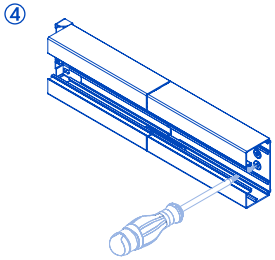
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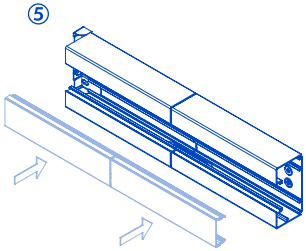
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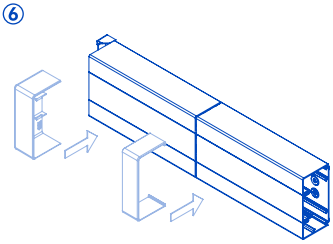
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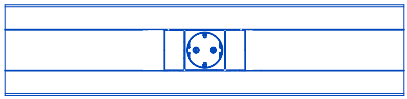

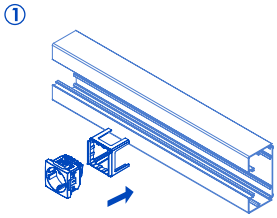
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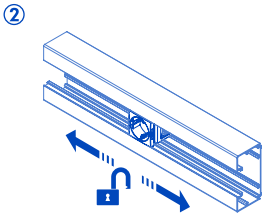
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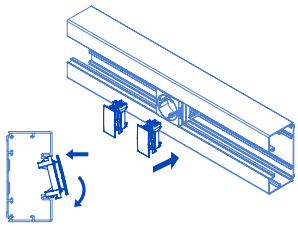
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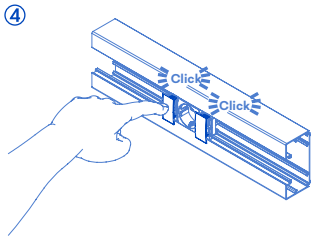
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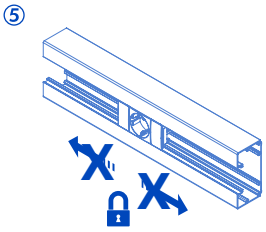
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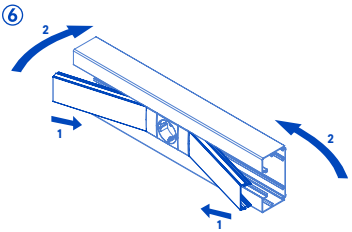
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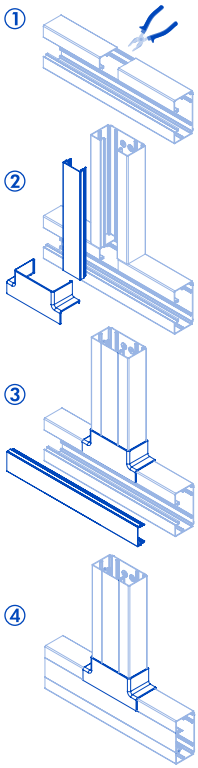

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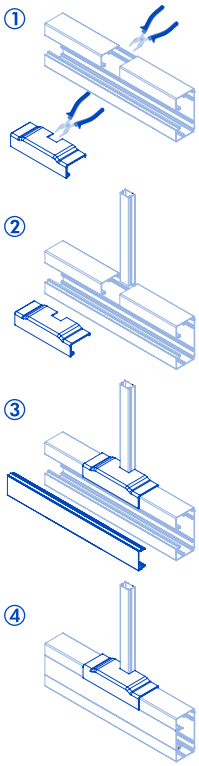

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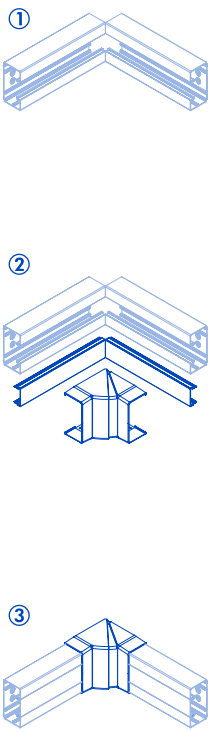

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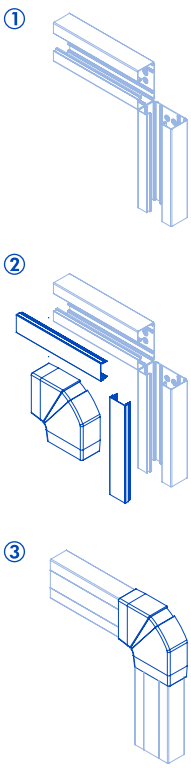

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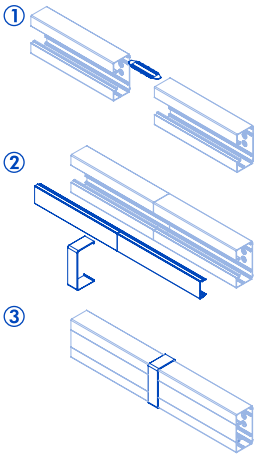

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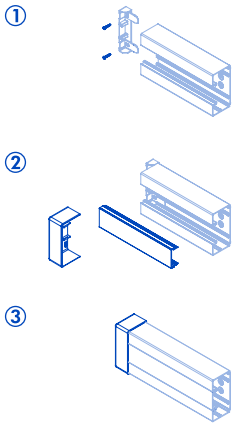

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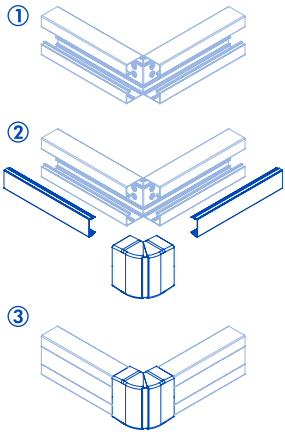
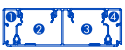


NORMA EN 50085-2-1

SECÇÃO 6	CLASSIFICAÇÃO	ETS 10 - CALHAS DE CLIPAGEM DIRETA L45		
6.2	Resistência ao choque para instalação e aplicação	CALHA COM ACESSÓRIOS		
		2 J		
6.3	Temperatura mínima de stock e transporte	-45 °C		
6.3	Temperatura mínima de instalação e utilização	-15 °C		
6.3	Temperatura máxima de utilização	60 °C		
6.4	Resistência de propagação da chama	Não propagador de chama		
6.5	Continuidade elétrica	Sem continuidade elétrica		
6.6	Características de isolação elétrica	Com isolamento elétrico		
6.7	Grau de proteção dado pelo invólucro	IP44		
6.8	Proteção contra substâncias corrosivas ou poluentes	Com média proteção no exterior e no interior		
6.9	Sistema de acesso à retenção da tampa	A tampa só pode ser aberta com uma ferramenta		
6.10	Separação de proteção elétrica	Com separação de proteção elétrica (divisória)		
6.101	Posições de instalação previstas	Saliente, fixa à parede ou ao teto		
6.102	Prevenção no contacto, entre líquidos e condutores isolados e partes ativas, no caso de calhas com montagem em posição de rodapé em chão molhado.	Não declarado		
6.103	Tipo	3 (Instalação)		
	Ensaio de fio incandescente	**CALHA**	**ACESSÓRIOS DE CALHA** (derivação, ângulos, junta e topo)	**ACESSÓRIOS DO SISTEMA** (componente com função suplementar ex: tomadas e seus acessórios de fixação)
		1000 °C	1000 °C	650 °C
	Tensão Nominal Declarada	1000 V ~		
	IEC 60884-1 – NP 1260 Fixação de Aparelhagem de Baixa Tensão - Ensaio de Resistência à Extração	Força de Extração Declarada: 90 N 1,5x90 = 135 N		

			CARACTERÍSTICAS DAS CALHAS				CAPACIDADE DE CABOS ISOLADOS				
			Dimensões Interiores	Comp.	Secção Interior (S)	Secção Útil (Su)	ø Útil Máx.	N.º Máx. Condutores H07 V-U			
			(mm)	(m)	(mm^2)	(S/1,4) (mm^2)	(mm)	1,5mm^2	2,5mm^2	4mm^2	6mm^2
100x50	11020 CBR		96x47	2,00	2155	1539	32	191	135	106	81
			——	——	❶ 493 ❷ 1058 ❸ 493	❶ 352 ❷ 756 ❸ 352	20 32 20	43 94 43	31 66 31	24 52 24	18 40 18
155x50	11030 CBR		75x47 75x47	2,00	❶ 1672 ❷ 1672	❶ 1194 ❷ 1194	32 32	148 148	105 105	82 82	63 63
			——	——	❶ 357 ❷ 1259 ❸ 1259 ❹ 357	❶ 255 ❷ 899 ❸ 899 ❹ 255	16 32 32 16	31 111 111 31	22 79 79 22	17 61 61 17	13 47 47 13
190x50	11040 CBR		63x47 57x47 63x47	2,00	❶ 1325 ❷ 1214 ❸ 1325	❶ 946 ❷ 867 ❸ 946	32 32 32	117 107 117	83 76 83	65 59 65	50 45 50

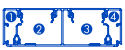
RoHS

RoHS - Todas as Calhas e respetivos Acessórios EFAPEL satisfazem as especificações da Diretiva RoHS 2011/65/UE (incluindo a adenda 2015/863) que restringe a utilização de substâncias ou preparações perigosas, contendo chumbo, mercúrio, cádmio, crómio hexavalente, bifenilos polibromados (PBB), éteres difenílicos polibromados (PBDE), ftalato de bis(2-etil-hexilo) (DEHP), ftalato de benzilo e butilo (BBP), ftalato de dibutilo (DBP) e ou ftalato de di-isobutilo (DIBP).

EFAPEL

NORMA EN 50085-2-1

SECCIÓN 6	CLASIFICACIÓN	ETS 10 - CANALES DE CLIPAJE DIRECTO L45		
6.2	Resistencia al impacto durante la instalación y uso	CANALES CON ACCESORIOS		
		2 J		
6.3	Temperatura mínima de transporte y almacenamiento	-45 °C		
6.3	Temperatura mínima de instalación y de uso	-15 °C		
6.3	Temperatura máxima de utilización	60 °C		
6.4	Resistencia a la propagación de la llama	No propagador de la llama		
6.5	Continuidad eléctrica	Sin continuidade eléctrica		
6.6	Características de aislación eléctrica	Con aislamiento eléctrico		
6.7	Grado de protección dado por envoltura	IP44		
6.8	Protección contra sustancias corrosivas o poluentes	Medianamente protegidos en el exterior y en el interior		
6.9	Sistema de acesso y retención de la tapa	La tapa sólo puede ser abierta con una herramienta		
6.10	Separación y protección eléctrica	Con separadores de protección eléctrica (división)		
6.101	Posiciones de instalación previstas	Montaje superficial en paredes o en techos		
6.102	Prevención del contacto entre líquidos y conductores aislados y partes activas para el caso de canales montados en zócalos o en el suelo humedecido con productos químicos.	No declarado		
6.103	Tipo	3 (Instalación)		
	Ensayo de hilo incandescente	**CANAL**	**ACCESORIOS DE CANAL** (derivación, angulos, junta y tope)	**ACCESORIOS DO SISTEMA** (componentes con una función adicional, por ejemplo, tomas y sus accesorios)
		1000 °C	1000 °C	650 °C
	Tensión Nominal	1000 V ~		
	IEC 60884-1 – NP 1260 Fijación de Aparataje de Baja Tensión - Ensayo de Resistencia a la Extracción	Fuerza de Extracción Declarada: 90 N 1,5x90 = 135 N		

			CARACTERÍSTICAS DE LOS CANALES			CAPACIDADE DE CABOS ISOLADOS				
			Dimensiones Interiores	Largo	Sección Interior (S)	Sección Útil (Su)	ø Útil Máx.	N.º Máx. Conductores H07 V-U			
			(mm)	(m)	(mm^2)	(S/1,4) (mm^2)	(mm)	1,5mm^2	2,5mm^2	4mm^2	6mm^2
100x50	11020 CBR		96x47	2,00	2155	1539	32	191	135	106	81
			——	——	❶ 493 ❷ 1058 ❸ 493	❶ 352 ❷ 756 ❸ 352	20 32 20	43 94 43	31 66 31	24 52 24	18 40 18
155x50	11030 CBR		75x47 75x47	2,00	❶ 1672 ❷ 1672	❶ 1194 ❷ 1194	32 32	148 148	105 105	82 82	63 63
			——	——	❶ 357 ❷ 1259 ❸ 1259 ❹ 357	❶ 255 ❷ 899 ❸ 899 ❹ 255	16 32 32 16	31 111 111 31	22 79 79 22	17 61 61 17	13 47 47 13
190x50	11040 CBR		63x47 57x47 63x47	2,00	❶ 1325 ❷ 1214 ❸ 1325	❶ 946 ❷ 867 ❸ 946	32 32 32	117 107 117	83 76 83	65 59 65	50 45 50

RoHS - Todos los Canales y sus respectivos Accesorios fabricados por EFAPEL satisfacen las especificaciones de la Directiva RoHS 2011/65/UE (incluyendo la emmienda 2015/863) que restringe la utilización de substancias o compuestos peligrosos como el plomo, mercurio, cadmio, cromo hexavalente, polibromobifenilos (PBB), polibromodifeniléteres (PBDE), ftalato de bis(2-etilexilo) (DEHP), ftalato de bencilo y butilo (BBP), ftalato de dibutilo (DBP), y ou ftalato de diisobutilo (DIBP).

EN 50085-2-1 STANDARD

SECTION 6	CLASSIFICATION	SNAP-ON TRUNKINGS L45 - 10 ETS		
6.2	Resistance to impact for installation and application	TRUNKINGS WITH ACCESSOIRES		
		2 J		
6.3	Minimum storage and transport temperature	-45 °C		
6.3	Minimum installation and application temperature	-15 °C		
6.3	Maximum application temperature	60 °C		
6.4	Resistance to flame propagation	Non-flame propagating		
6.5	Electrical continuity	Without electrical continuity		
6.6	Electrical insulation characteristic	With electrical insulation		
6.7	Protection degree provided by enclosure	IP44		
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside		
6.9	Access system and retention of the cover	The cover can only be removed with a tool		
6.10	Electrical protective separation	With electrical protective partition (divider)		
6.101	Intended installation positions	Surface mounted fixed on the wall or on the ceiling		
6.102	Prevention of contact between liquids and insulated conductors and live parts in case of mounted in a skirting position and on wet floor.	Not declared		
6.103	Type	3 (Installation)		
	Glow wire test	TRUNK-ING	TRUNKING ACCESSORIES (derivation, angles, joint and top)	SYSTEM ACCESSORIES (component with supplementary function e.g. sockets and their fixing accessories)
		1000 °C	1000 °C	650 °C
	Rated Voltage	1000 V ~		
	IEC 60884-1 – NP 1260 Fixation of Low Voltage Devices - Test of Resistance to Extraction	Declared Extraction Force: 90 N 1,5x90 = 135 N		

		TRUNKINGS CHARACTERISTICS				ISOLATED CABLES CAPACITY				
		Internal Dimensions	Length	SectioN Internal (S)	Section Available (Sa)	ø Available Max.	Max. Nr. Conductors H07 V-U			
		(mm)	(m)	(mm^2)	(S/1,4) (mm^2)	(mm)	1,5mm^2	2,5mm^2	4mm^2	6mm^2
100x50	11020 CBR	96x47	2,00	2155	1539	32	191	135	106	81
		——	——	❶ 493	❶ 352	20	43	31	24	18
				❷ 1058	❷ 756	32	94	66	52	40
				❸ 493	❸ 352	20	43	31	24	18
155x50	11030 CBR	75x47	2,00	❶ 1672	❶ 1194	32	148	105	82	63
		75x47		❷ 1672	❷ 1194	32	148	105	82	63
		——	——	❶ 357	❶ 255	16	31	22	17	13
				❷ 1259	❷ 899	32	111	79	61	47
				❸ 1259	❸ 899	32	111	79	61	47
				❹ 357	❹ 255	16	31	22	17	13
190x50	11040 CBR	63x47	2,00	❶ 1325	❶ 946	32	117	83	65	50
		57x47		❷ 1214	❷ 867	32	107	76	59	45
		63x47		❸ 1325	❸ 946	32	117	83	65	50

RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPEL are according the specifications of Directive RoHS 2011/65/EU (incluing the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

NORME EN 50085-2-1

SECTION 6	CLASSIFICATION	ETS 10 - GOULOTTE CLIP DIRECT L45		
6.2	Résistance aux chocs pendant l'installation et l'usage	GOULOTTES AVEC ACCESSOIRES		
		2 J		
6.3	Température minimale de stockage et de transport	-45 °C		
6.3	Température minimale d'installation et d'usage	-15 °C		
6.3	Température maximale d'usage	60 °C		
6.4	Résistance à la propagation de la flamme	Non propagation de la flamme		
6.5	Continuité électrique	Sans continuité électrique		
6.6	Caractéristiques d'isolation électrique	Avec isolation électrique		
6.7	Degré de protection de l'enveloppe	IP44		
6.8	Protection contre les substances corrosives ou polluantes	Avec protection moyenne à l'extérieur et l'intérieur		
6.9	Mode d'ouverture	Le couvercle peut être enléve avec un outil		
6.10	Séparation de protection électrique	Avec séparation de protection électrique (séparateur)		
6.101	Conditions d'installation	Saillie fixé au mur ou au plafond		
6.102	Prévention de contact entre les liquides, les conducteurs isolés et les parties sous tension, dans le cas de goulottes de plinthe en plancher humide.	Non déclarée		
6.103	Type	3 (Installation)		
	Test au fil incandescent	**GOU-LOTTE**	**ACCESSORIES POUR GOULOTTES** (dérivation, angles, joint et bout)	**ACCESSORIES DU SYSTÈME** (composant avec fonction supplémentaire, par ex. prises et leurs accessoires de fixation)
		1000 °C	1000 °C	650 °C
	Tension Nominale Assignée	1000 V ~		
	IEC 60884-1 – NP 1260 Fixation d'Apareillage de Basse Tension - Extraction Test de Résistance	Force d'Extraction Déclarée: 90 N 1,5x90 = 135 N		

		CARACTÉRISTIQUES DES GOULOTTES				CAPACITÉ DE CÂBLES ISOLÉS				
		Dimensions Intérieurs	Longueur	Section Intérieure (S)	Section Utile (Su)	ø Utile Max.	N^bre Max. Conducteurs H07 V-U			
		(mm)	(m)	(mm^2)	(S/1,4) (mm^2)	(mm)	1,5mm^2	2,5mm^2	4mm^2	6mm^2
100x50	11020 CBR	96x47	2,00	2155	1539	32	191	135	106	81
		––	––	❶ 493	❶ 352	20	43	31	24	18
				❷ 1058	❷ 756	32	94	66	52	40
				❸ 493	❸ 352	20	43	31	24	18
155x50	11030 CBR	75x47	2,00	❶ 1672	❶ 1194	32	148	105	82	63
		75x47		❷ 1672	❷ 1194	32	148	105	82	63
		––	––	❶ 357	❶ 255	16	31	22	17	13
				❷ 1259	❷ 899	32	111	79	61	47
				❸ 1259	❸ 899	32	111	79	61	47
				❹ 357	❹ 255	16	31	22	17	13
190x50	11040 CBR	63x47	2,00	❶ 1325	❶ 946	32	117	83	65	50
		57x47		❷ 1214	❷ 867	32	107	76	59	45
		63x47		❸ 1325	❸ 946	32	117	83	65	50

RoHS - Toutes les Goulottes et respectifs Accessoires EFAPEL sont conformes avec la Directive RoHS 2011/65/UE (y compris l'addenda 2015/863) qui restricte l'utilisation de certain substances dangereuses comme le plomb, mercure, cadmium, chrome hexavalent, polybromobiphényles (PBB), polybromodiphényléthers (PBDE), phtalate de bis-(2-éthylhexyle) (DEHP), phtalate de benzyle et de butyle (BBP), phtalate de dibutyle (DBP), phtalate de diisobutyle (DIBP).

NORM EN 50085-2-1

SEKTION 6	KLASSIFIKATION	ETS 10 - KABELK SNAP-IN		
6.2	Prüfung zur stoßfestigkeit bei einbau und anwendung	KANÄLE MIT ZUBEHÖR		
		2 J		
6.3	Mindesttemperatur für lager und transport	-45 °C		
6.3	Mindesttemperatur für installation und nutzung	-15 °C		
6.3	Höchsttemperatur für nutzung	60 °C		
6.4	Flammenweiterleitung	Keine flammenweiterleitung		
6.5	Elektrische kontinuität	Keine elektrische kontinuität		
6.6	Elektrische isolierung	Mit elektrischer isolierung		
6.7	Durch gehäuse sichergestellte schutzklasse	IP44		
6.8	Schutz gegen korrodierende substanzen oder schadstoffe	Mit mittlerem Schutz, innen und außen		
6.9	Zugangsmöglichkeit der abdeckungszuhaltung	Die Abdeckung kann nur mit Werkzeug entfernt werden		
6.10	Separierung elektrischer leiter	Mit separierung elektrischer leiter (Unterteilung)		
6.101	Vorgesehene einbaupositionen	Aufputz, fest an wand oder decke		
6.102	Verhinderung des kontakts zwischen flüssigkeiten und isolierten leitern und unter strom stehenden teilen in als bodenleisten montierten kabelkanälen bei nassem boden.	Nicht erklärt		
6.103	Typ	3 (Installation)		
	Glühdrahtprüfung	**KANAL**	**KANAL-ZUBEHÖR** (Verteiler, Winkel, Verbindung und Kopfteil)	**SYSTEMZUBEHÖR** (Komponente mit Zusatzfunktion, z.B. Steckdosen und deren Befestigungszubehör)
		1000 °C	1000 °C	650 °C
	Angegebene Nennspannung	1000 V ~		
	IEC 60884-1 – NP 1260 Befestigung von Niederspannungsgeräten - Auszugsprüfung	Angegebene Auszugskraft: 90 N 1,5x90 = 135 N		

			DATEN DER KABELKANÄLE			KAPAZITÄT BEI ISOLIERTEN KABELN				
		Innenmaße	Länge	Innenquer-schnitt (S)	Nutzquerschnitt (Sa)	ø Máx. Nutz	Max. Anzahl Kabel H07 V-U			
		(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5mm²	2,5mm²	4mm²	6mm²
100x50	11020 CBR	96x47	2,00	2155	1539	32	191	135	106	81
		——	——	❶ 493 ❷ 1058 ❸ 493	❶ 352 ❷ 756 ❸ 352	20 32 20	43 94 43	31 66 31	24 52 24	18 40 18
155x50	11030 CBR	75x47 75x47	2,00	❶ 1672 ❷ 1672	❶ 1194 ❷ 1194	32 32	148 148	105 105	82 82	63 63
		——	——	❶ 357 ❷ 1259 ❸ 1259 ❹ 357	❶ 255 ❷ 899 ❸ 899 ❹ 255	16 32 32 16	31 111 111 31	22 79 79 22	17 61 61 17	13 47 47 13
190x50	11040 CBR	63x47 57x47 63x47	2,00	❶ 1325 ❷ 1214 ❸ 1325	❶ 946 ❷ 867 ❸ 946	32 32 32	117 107 117	83 76 83	65 59 65	50 45 50

RoHS

RoHS - Sämtliche EFAPEL Kabelkanäle und Zubehör entsprechen der RoHS-Richtlinie 2011/65/EU, (die Anhang 2015/863 enthalten) die Benutzung von gefährlichen Substanzen oder Zubereitungen einschränkt, die blei, quecksilber, cadmium, sechswertiges chrom, polybromierte biphenyle (PBB), polybromierte diphenylether (PBDE), di(2-ethylhexyl)phthalat (DEHP), butylbenzylphthalat (BBP), dibutylphthalat (DBP), diisobutylphthalat (DIBP).

СТАНДАРТ EN 50085-2-1

РАЗДЕЛ 6	КЛАССИФИКАЦИЯ	СЕРИЯ 10 - КОРОБ БЕЛЫЙ
6.2	Сопротивление механическим нагрузкам	КОРОБ С АКСЕССУАРАМИ
		2 J
6.3	Минимальная температура хранения и транспортировки	-45 °C
6.3	Минимальная температура при установке и эксплуатации	-15 °C
6.3	Максимальная температура при эксплуатации	60 °C
6.4	Устойчивость к распространению горения	Не распространяет
6.5	Электропроводность	Не проводит
6.6	Электрическая изоляция	Изолирует
6.7	Степень пыле- и влагозащиты	IP44
6.8	Защита против коррозии и загрязнений	Средний уровень защиты снаружи и внутри
6.9	Доступ внутрь короба и снятие крышки	Снятие крышки возможно только при помощи инструмента
6.10	Разделение электрических сетей	При помощи внутренней перегородки
6.101	Варианты установки	Накладной монтаж на стене и/или потолке
6.102	Случаи контакта жидкости и изолированных жил кабеля в кабельных плинтусах при влажной обработке пола	Не зафиксированы
6.103	Тип	3 (установка)
	Тест раскаленной проволкой	**КОРОБ**: 1000 °C **АКСЕССУАРЫ ДЛЯ КОРОБОВ** (Отвод, углы, скобы на стык и крышка): 1000 °C **СИСТЕМНЫЕ АКСЕССУАРЫ** (Компонент с дополнительной функцией, например розетки и аксессуары для их крепления): 650 °C
	Номинальное напряжение	1000 V ~
	IEC 60884-1 – NP 1260 Фиксация низковольтных устройств - Тест на устойчивость к извлечению	Сила извлечения: 90 N 1,5x90 = 135 N

		ХАРАКТЕРИСТИКИ КАБЕЛЬНЫХ КАНАЛОВ				ДОПУСТИМОЕ КОЛИЧЕСТВО КАБЕЛЕЙ				
		Внутренние размеры	Длина	Внутреннее сечение (Bc)	Доступное сечение (Дс)	Доступный Максимальный диаметр	макс кол-во проводников H07 V-U			
		(mm)	(m)	(mm^2)	(Bc/1,4) (mm^2)	(mm)	1,5mm^2	2,5mm^2	4mm^2	6mm^2
100x50	11020 CBR	96x47	2,00	2155	1539	32	191	135	106	81
		——	——	❶ 493	❶ 352	20	43	31	24	18
				❷ 1058	❷ 756	32	94	66	52	40
				❸ 493	❸ 352	20	43	31	24	18
155x50	11030 CBR	75x47	2,00	❶ 1672	❶ 1194	32	148	105	82	63
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		——	——	❶ 357	❶ 255	16	31	22	17	13
				❷ 1259	❷ 899	32	111	79	61	47
				❸ 1259	❸ 899	32	111	79	61	47
				❹ 357	❹ 255	16	31	22	17	13
190x50	11040 CBR	63x47	2,00	❶ 1325	❶ 946	32	117	83	65	50
		57x47		❷ 1214	❷ 867	32	107	76	59	45
		63x47		❸ 1325	❸ 946	32	117	83	65	50

RoHS

RoHS - все кабельные короба и аксессуары к ним, производимые компанией EFAPEL, полностью соответствуют требованиям Директивы RoHS 2011/65/EC (включая приложение 2015/863), которая ограничивает использование ряда опасных веществ, таких как свинец, ртуть, кадмий, шестивалентный хром, полибромированные бифенилы (PBB), полибромированные дифениловые эфиры (PBDE), бис (2-этилгексил) фталат (DEHP), бутилбензилфталат (BBP), дибутилфталат (DBP), диизобутилфталат (DIBP).

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Serpins,
3200-355 Serpins
Portugal

SAT Serviço de Apoio Técnico
+351 239 970 132
sat@efapel.com