

Datwyler System Circuit Integrity E30 – E60 / E90 cabling in accordance with DIN 4102-12



Datwyler type SAS single clamp

| Art. No. | Type | Ømm | PU/pcs. |
|----------|----------|-------|---------|
| 1300016 | SAS 6 D | 5-6 | 100 |
| 1300017 | SAS 8 D | 7-8 | 100 |
| 1300018 | SAS 10 D | 9-10 | 100 |
| 1300019 | SAS 12 D | 11-12 | 100 |
| 1300020 | SAS 14 D | 13-14 | 100 |
| 1300021 | SAS 16 D | 15-16 | 100 |
| 1300022 | SAS 18 D | 17-18 | 100 |
| 1300023 | SAS 20 D | 19-20 | 100 |
| 1300024 | SAS 22 D | 21-22 | 100 |
| 1300025 | SAS 24 D | 23-24 | 100 |
| 1300026 | SAS 26 D | 25-26 | 100 |
| 1300027 | SAS 28 D | 27-28 | 100 |
| 1300028 | SAS 30 D | 29-30 | 100 |
| 1300251 | SAS 38 D | 29-38 | 25 |
| 1300252 | SAS 47 D | 38-47 | 20 |
| 1300234 | SAS 55 D | 47-55 | 20 |
| 1300250 | SAS 60 D | 55-60 | 20 |



Datwyler type SAS single clamp, pre-assembled with fire protection plug

| Art. No. | Type |
|----------|-------------------|
| 1300956 | SAS 8 D - K6x5 S |
| 1300957 | SAS 12 D - K6x5 S |
| 1300958 | SAS 14 D - K6x5 S |
| 1300959 | SAS 16 D - K6x5 S |

Single clamp - type SAS accessories:

Datwyler



| Art. No. | Type |
|----------|-----------------|
| 1300953 | Plug set K6x5 S |



| Art. No. | Type |
|----------|----------------|
| 1300962 | SDS1 drill bit |



| Art. No. | Type |
|----------|-----------------------|
| 1300963 | SMu 6 SM setting tool |

Mounting screws for red bricks and lime-sand bricks:



| Art. No. | Type |
|----------|-----------------------------|
| 1301218 | HMS 5/40 for SAS up to 8 mm |



| Art. No. | Type |
|----------|----------------------|
| 3800097 | MIMS-St 6/60 for SAS |

Datwyler Keram installation cables E30 – E90



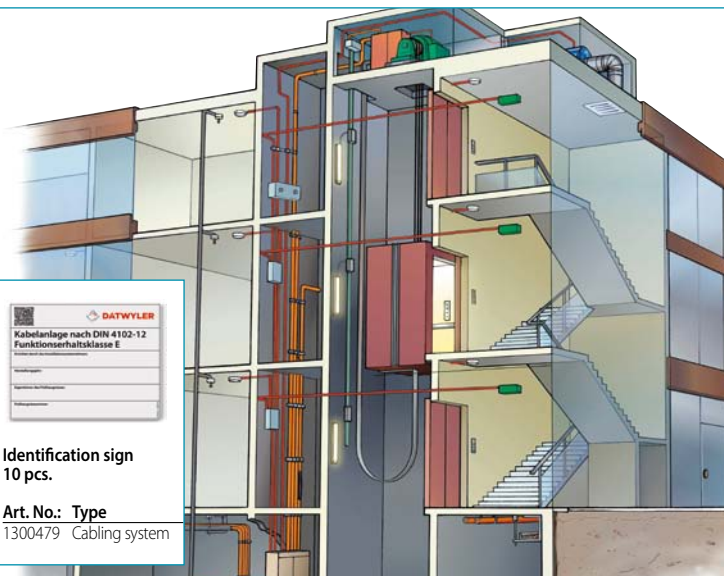
Fire alarm cable, red
JE-H(St)H...Bd FE180 E30-E90
JE-H(St)H...Bd FE180 E30 L



Fire alarm cable, red
with steel wire braiding
JE-H(St)HRH...Bd FE180 E30-E90



Wiring cable, orange
JE-H(St)H...Bd FE180 E30-E90
JE-H(St)H...Bd FE180 E30 L



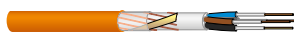
Datwyler WUM
support measure
for vertical cable installation

| Art. No. | Type |
|----------|-----------------------------------|
| 1301276 | WUM 300 E30 100 x 370 x 135 mm |
| 1301278 | WUM 400 E30 100 x 470 x 135 mm |
| 1301277 | WUM 500 E30 100 x 570 x 135 mm |
| 1301275 | WUM 300 E90 200 x 470 x 185 mm |
| 1301274 | WUM 400 E90 200 x 570 x 185 mm |
| 1301273 | WUM 500 E90 200 x 670 x 185 mm |

Datwyler Keram low-voltage cable, E30 – E60 / E90



with protective earth conductor (gn/ye)
(N)HXH FE180 E30-E60 / E90



with concentric protective conductor
(N)HXCH FE180 E30-E60 / E90



with VdS certification for ≥ 16 mm²
(N)HXCH FE180 E90 VdS



Distribution box for power current - type Hercules distribution box, E30-E90, 1 pc.

| Art. No. | Type | Inner dimensions | |
|----------|-------------------|--------------------|--------------------------------------|
| 301382 | AHD 263013 E90 | 260 x 300 x 130 mm | (empty, without base) |
| 301375 | HS 263013 E30-E90 | 260 x 300 x 130 mm | with top hat rail 35 x 7.5 mm 1-row |
| 301376 | HS 353013 E30-E90 | 350 x 300 x 130 mm | with top hat rail 35 x 7.5 mm 2-rows |
| 301377 | HS 523013 E30-E90 | 520 x 300 x 130 mm | with top hat rail 35 x 7.5 mm 3-rows |
| 301378 | HI 263013 E30-E90 | 260 x 300 x 130 mm | with QSA trough for 6 strips |
| 301379 | HI 353013 E30-E90 | 350 x 300 x 130 mm | with QSA trough for 11 strips |
| 301380 | HI 523013 E30-E90 | 520 x 300 x 130 mm | with QSA trough for 13 strips |



Connection / terminal box, E30-E90, 1pc.

| Art. No. | Type | Outer dimensions |
|----------|-------------------------------|-------------------|
| 301372 | VAD 5x6 E30-E90 | 100 x 100 x 50 mm |
| 301373 | VAD 3x10 E30-E90 | 100 x 100 x 50 mm |
| 301381 | VAD 8x6 E30-E90 | 165 x 165 x 50 mm |
| 660302 | AC 230V fuse holder 5 x 20 mm | 40 x 20 x 20 mm |



Strap clamp, E30 – E90

| Art. No. | Type | Ø mm | PU/pcs. |
|----------|-------|---------|---------|
| 1300043 | B12D | 6-12 | 100 |
| 1300044 | B14D | 10-14 | 100 |
| 1300045 | B16D | 12-16 | 100 |
| 1300046 | B18D | 14-18 | 100 |
| 1300047 | B22D | 18-22 | 100 |
| 1300048 | B26D | 22-26 | 100 |
| 1300049 | B30D | 26-30 | 100 |
| 1300050 | B34D | 30-34 | 100 |
| 1300051 | B38D | 34-38 | 100 |
| 1300052 | B42D | 38-42 | 100 |
| 1300053 | B46D | 42-46 | 100 |
| 1300054 | B50D | 46-50 | 50 |
| 1300055 | B54D | 50-54 | 50 |
| 1300056 | B58D | 54-58 | 50 |
| 1300057 | B64D | 58-64 | 50 |
| 1300058 | B70D | 64-70 | 50 |
| 1300059 | B76D | 70-76 | 50 |
| 1300060 | B82D | 76-82 | 50 |
| 1300061 | B90D | 82-90 | 50 |
| 1300062 | B100D | 90-100 | 25 |
| 1300063 | B110D | 100-110 | 25 |



C-shaped rail

| Art. No. | Type | PU/pcs. |
|----------|------------|---------|
| 1300064 | 2970/2 SLD | 1 pc=2m |



Datwyler multi cable support with plugs
Hermann clamp

| Art. No. | Type | PU/pcs. |
|----------|-----------------|---------|
| 3800206 | Hermann clamp | 10 |
| 3800199 | Hermann clamp S | 10 |



Datwyler E0 multi-cable support
in accordance with MLAR 11/2005 3.5.3

| Art. No. | Type | PU/pcs. |
|----------|--------------------------|---------|
| 3800086 | E0 multi-cable support | 25 |
| 3800087 | E0 S multi-cable support | 50 |

Strap clamp / Hermann clamp accessories:



Datwyler
plug set, 200 pcs., with SDS1 drill bit
1300954 KDM plug set



Accessory: drill bit
1300962 SDS1 drill bit



Accessory: setting tool
1300860 SWM-SM50 setting tool

Mounting screws for red bricks and lime-sand bricks:



Panhead screw, 100 pcs., for masonry
Art. No.: Type
1300461 MMS-P 7.5/45 for Multi-cable support / C-shaped rail

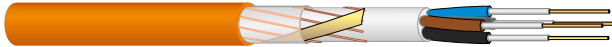
Datwyler System Circuit Integrity E30 – E60 / E90 cabling in accordance with DIN 4102-12 INSTALLATION / LAYING TECHNIQUES



General Appraisal Certificates are the basis for all installations!



Datwyler Keramik (N)HXH FE180 E30-E60 (all dimensions)



Datwyler Keramik (N)HXCH FE180 E30-E60 (all dimensions)

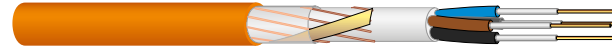
| Datwyler fastener | horizontal vertical E30 | comment |
|--|-------------------------------|--|
| Datwyler single clamp type SAS or TSD or strap clamp B...D on c-shaped rail | 1.2 m | Bundles without limits (number/weight) Horizontal installation also possible with plastic armoured conduits or aluminium tube |
| In-wall installation | | Cable to be covered with ≥ 15 mm thick layer of mineral plaster, parallel installation of multiple cables |

| Datwyler fastener | horizontal vertical E30 | comment |
|---|-------------------------------|--|
| Hermann clamp S small | 80 cm | maximum 3 kg/m (e.g. up to 15 cables 3 x 1.5 mm ²) |
| Hermann clamp large | 80 cm | maximum 6 kg/m (e.g. up to 30 cables 3 x 1.5 mm ²) |
| G-duct 50 x 75 mm | 1.25 m | G-duct with G-post or with hooked rail, maximum 3 kg/m, up to 16 mm ² |
| G-duct ≤ 75 x 100 mm | 1.25 m | G-duct with G-post or with hooked rail, maximum 7.5 kg/m |
| Steel-armoured conduit and single clamp SAS or strap clamp | 1.2 m | up to M63, filling factor up to 60 %, length of cable which is not fixed between conduit ends: maximum 1.2 m |
| Protective cable duct 60 x 100 mm | 50 cm | maximum 16 mm ² ; maximum load: 3,1 kg/m ceiling installation, 7 kg/m wall installation |

Installation on E30 / E90 cable troughs / trays up to 20 kg/m, up to 400 mm wide and up to 1.5 m distance between supports - with or without threaded rod suspension.



Datwyler Keramik (N)HXH FE180 E90 (all dimensions)



Datwyler Keramik (N)HXCH FE180 E90 (all dimensions)

| Datwyler fastener | horizontal vertical E90 | comment |
|--|-------------------------------|--|
| Datwyler single clamp type SAS or TSD | 60 cm | Bundles without limits (number/weight) Horizontal installation also possible with plastic armoured conduits |
| Strap clamp B...D on c-shaped rail | 80 cm | |
| In-wall installation | | Cable to be covered with ≥ 15 mm thick layer of mineral plaster, parallel installation of multiple cables |

| Datwyler fastener | horizontal vertical E90 | comment |
|------------------------------|-------------------------------|---|
| Hermann clamp S small | 80 cm | maximum 3 kg/m (e.g. up to 15 cables 3 x 1.5 mm ²) |
| Hermann clamp large | 80 cm | maximum 6 kg/m (e.g. up to 30 cables 3 x 1.5 mm ²) |

Installation on E30 / E90 cable troughs / trays up to 20 kg/m, up to 400 mm wide and up to 1.5 m distance between supports - with or without threaded rod suspension.



Datwyler Keramik JE-H(ST)H...Bd FE180 E30 L
Datwyler Keramik JE-H(ST)H...Bd FE180 E30-E90
Colour: red, with inscription for fire alarm cable



Datwyler Keramik JE-H(ST)H...Bd FE180 E30 L
Datwyler Keramik JE-H(ST)H...Bd FE180 E30-E90
Colour: orange



Datwyler Keramik JE-H(ST)HRH...Bd FE180 E30-E90
Colour: red, with inscription for fire alarm cable

| Datwyler fastener | horizontal vertical | comment |
|--|-------------------------------------|--|
| Datwyler single clamp type SAS or TSD | E30 1.2 m | Bundles up to 2.5 kg/m |
| Strap clamp B...D on c-shaped rail | E90 60 cm E30 1.2 m E90 80 cm | Horizontal also possible with plastic armoured conduits or aluminium tube |
| In-wall installation | | Cable to be covered with ≥ 15 mm thick layer of mineral plaster, parallel installation of multiple cables |

| Datwyler fastener | horizontal | comment |
|---|--------------------------------------|--|
| Hermann clamp small and large | E30 80 cm E90 60 cm | maximum 3 kg/m |
| Steel-armoured conduit and single clamp SAS or strap clamp B...D | E30 1.2 m | \leq M63, filling factor ≤ 60 % maximum 2.5 kg/m maximum 600 mm long when not fixed |
| G-duct with G-post or with hooked rail | E30 1.25 m | 50 x 75 mm, maximum 3 kg/m 75 x 100 mm, maximum 7.5 kg/m |
| Protective cable duct 60 x 100 mm | E30 50 cm | maximum load: 3.1 kg/m ceiling installations, 7 kg/m wall installations |
| Protective cable duct 26 x 30 mm | E30 50 cm | maximum load: 0.3 kg/m wall and ceiling installations |
| Cable tray 60 x ≤ 400 mm without threaded rod suspension | E30 1.5 m E90 1.5 m ¹⁾ | maximum load: 30 kg/m wall and ceiling installations |

¹⁾ only with Datwyler Keramik JE-H(ST)H...Bd FE180 E30-E90

Installation on E30 / E90 cable troughs / trays up to 20 kg/m, up to 400 mm wide and up to 1.5 m distance between supports - with or without threaded rod suspension.